

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

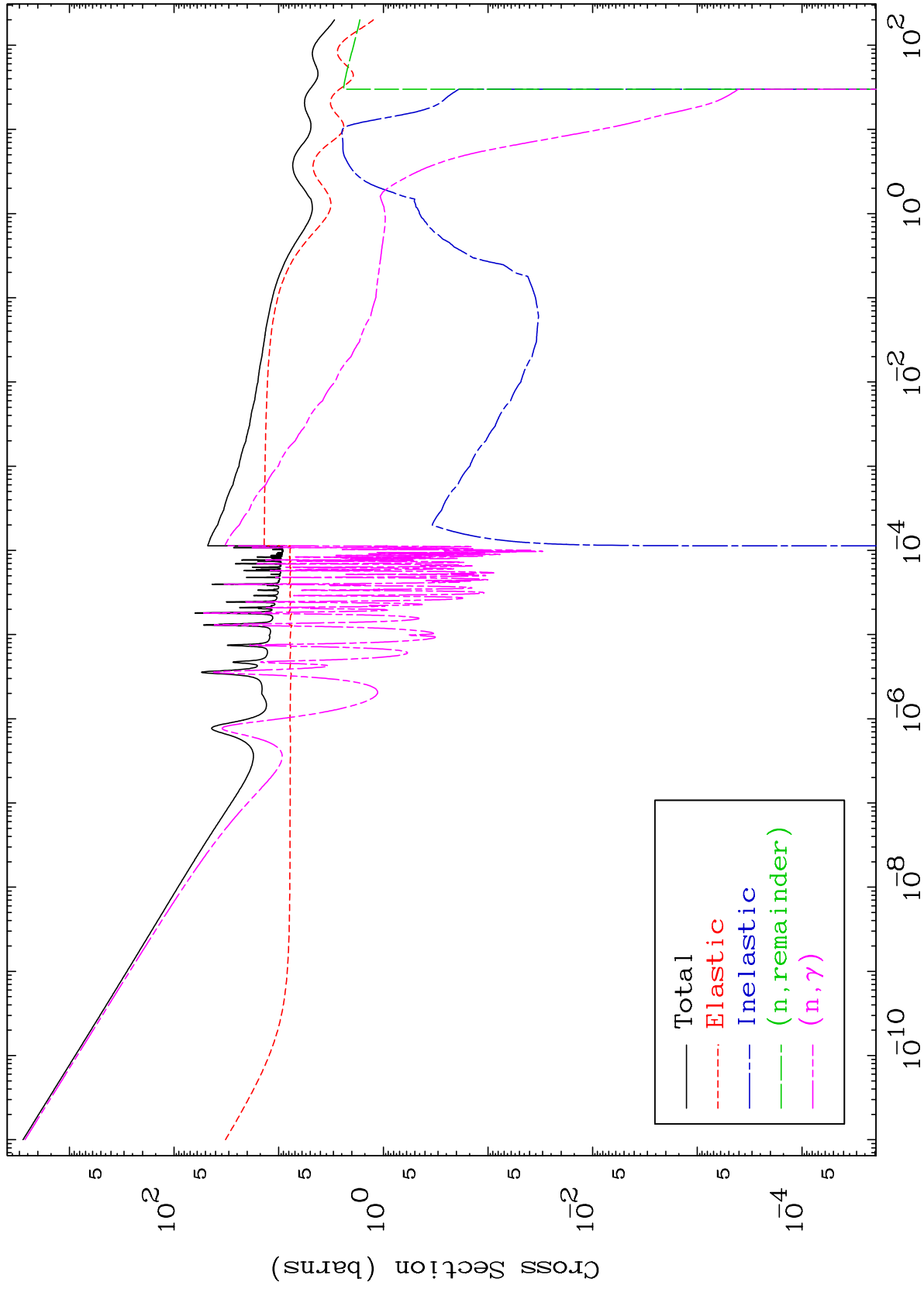
Press Mouse Button to Start

MAT 8296

Major

293 Kelvin Cross Sections

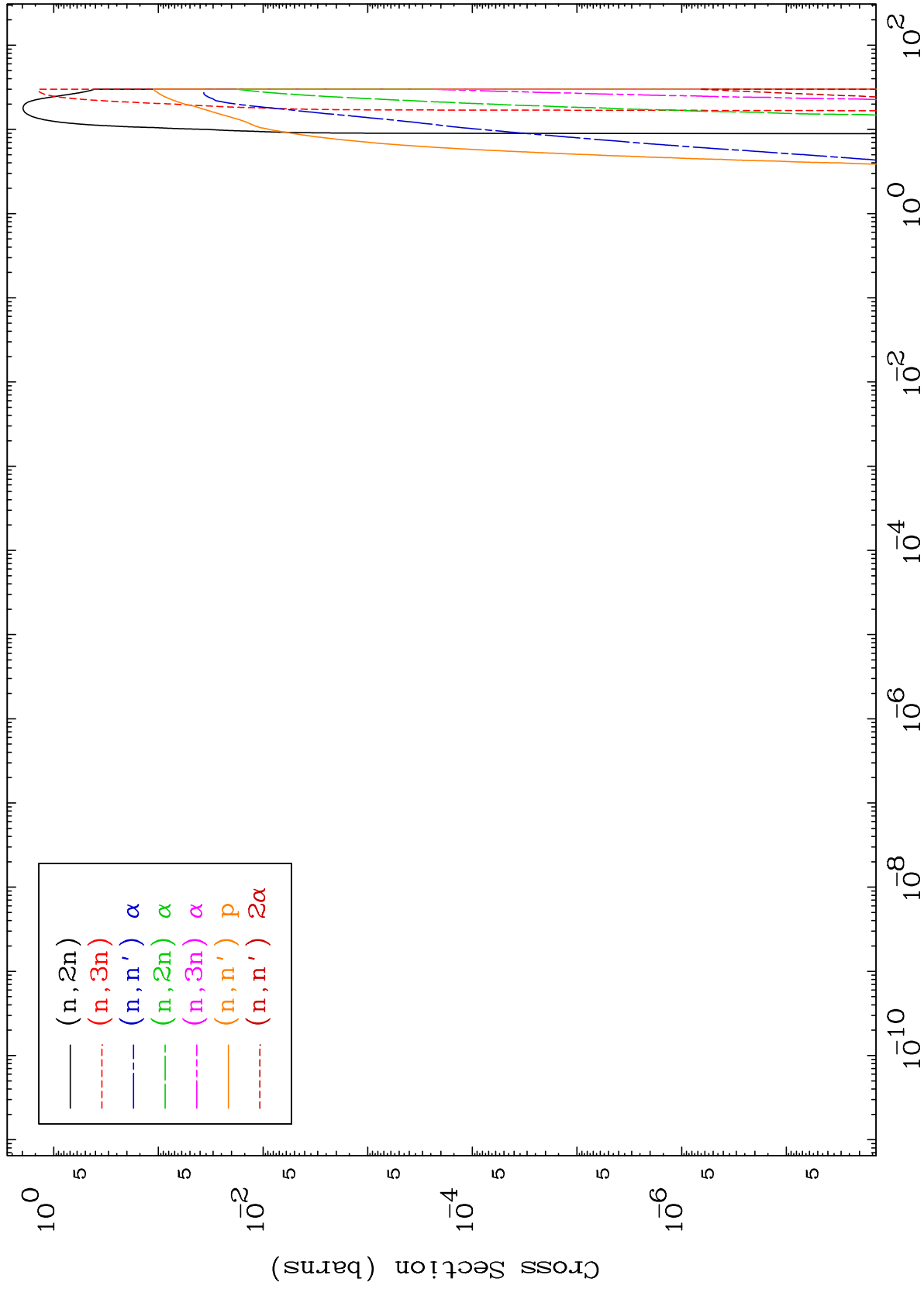
83-Bi-199



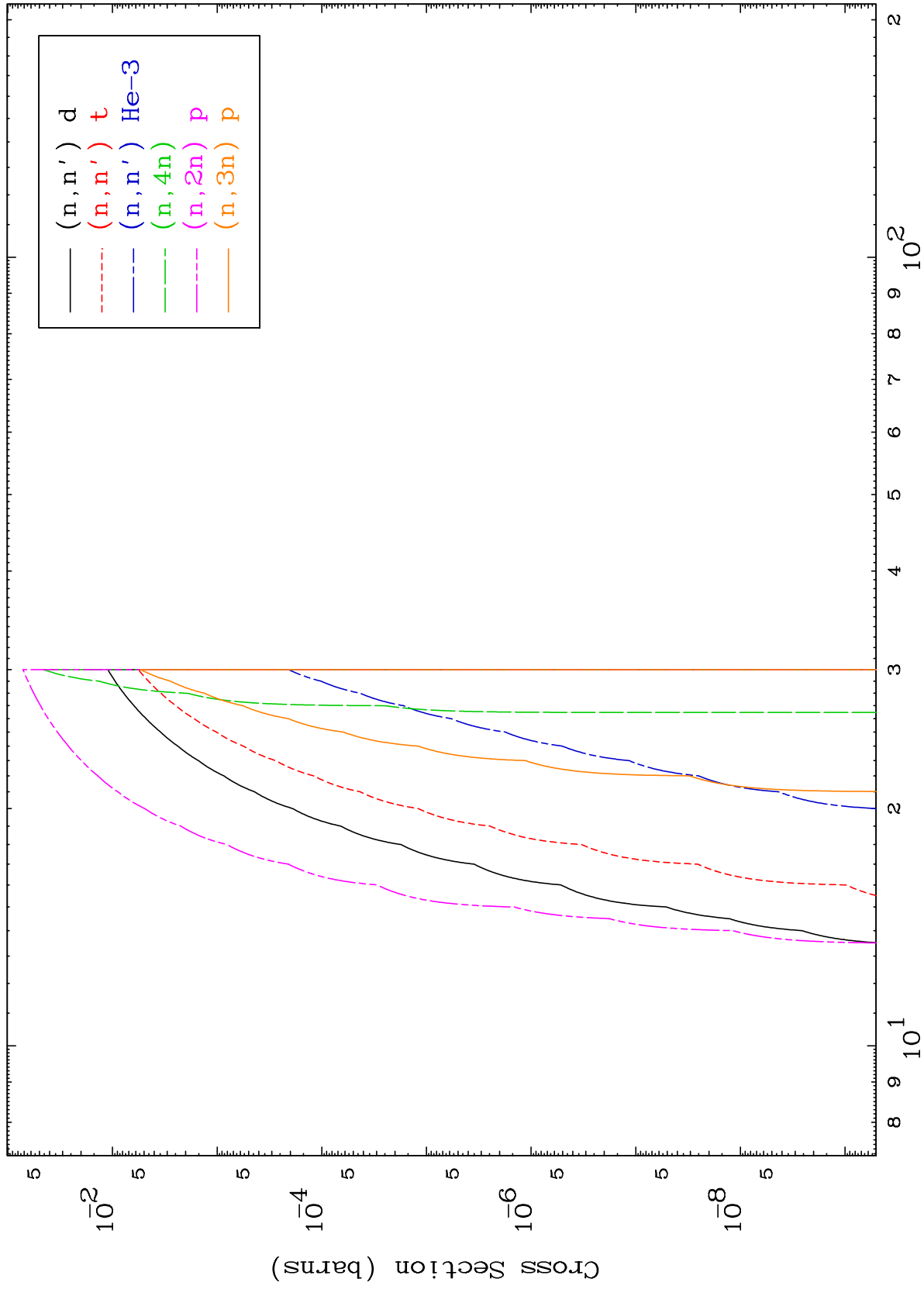
MAT 8296

Neutron Production  
293 Kelvin Cross Sections

83-Bi-199



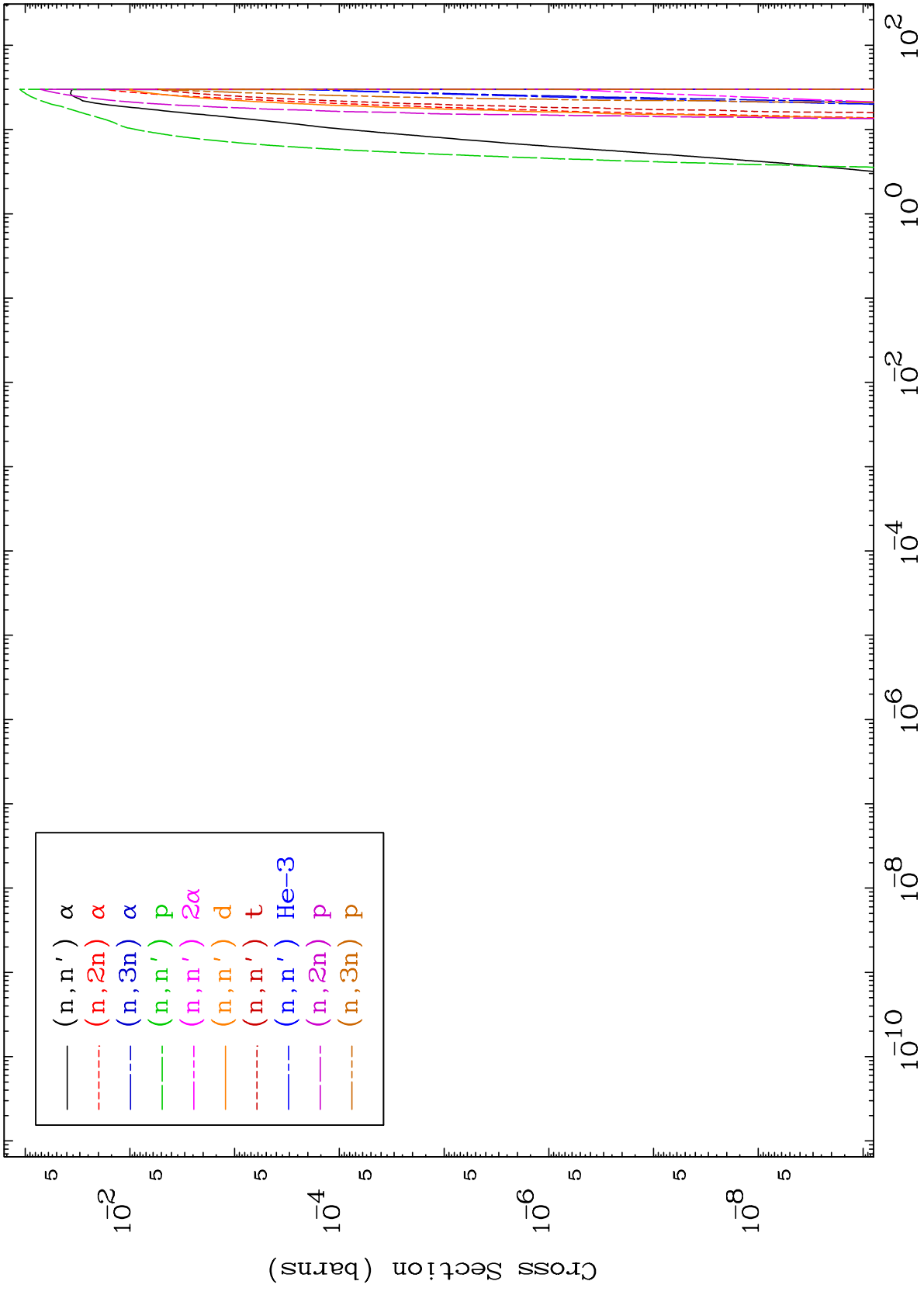
83-Bi-199



MAT 8296

Charged Particle  
293 Kelvin Cross Sections

83-Bi-199



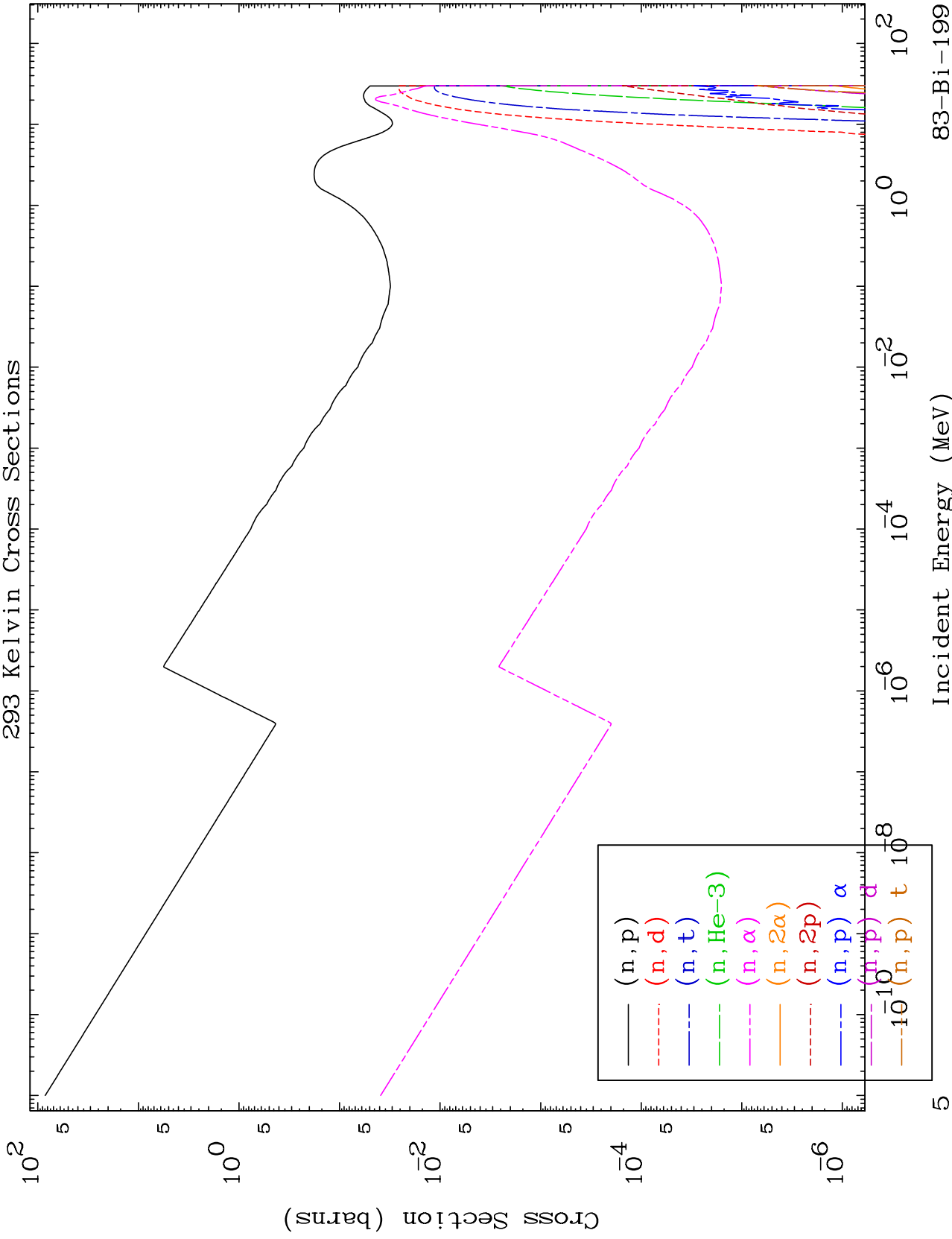
83-Bi-199

Incident Energy (MeV)

MAT 8296

Charged Particle  
293 Kelvin Cross Sections

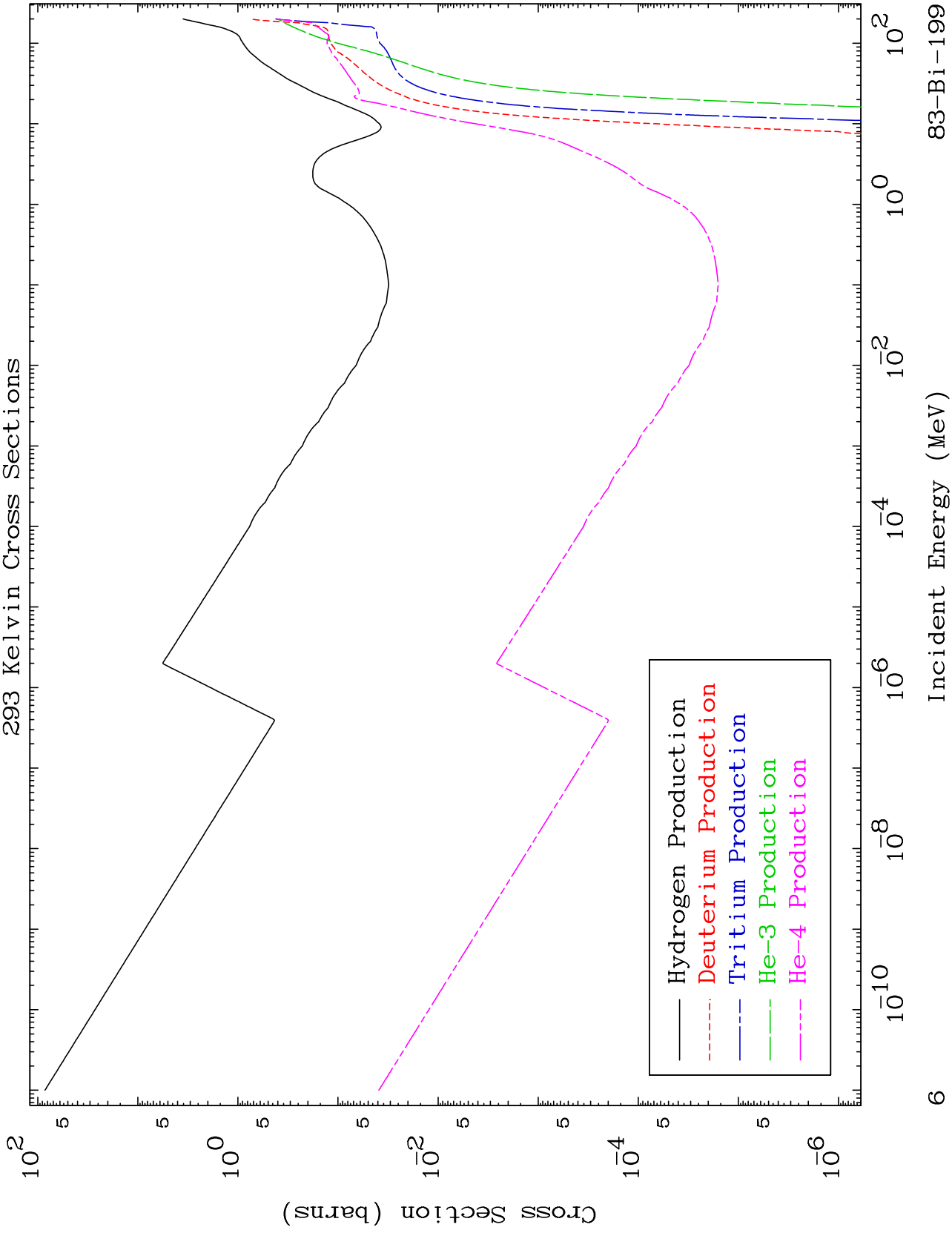
83-Bi-199



MAT 8296

Particle Production  
293 Kelvin Cross Sections

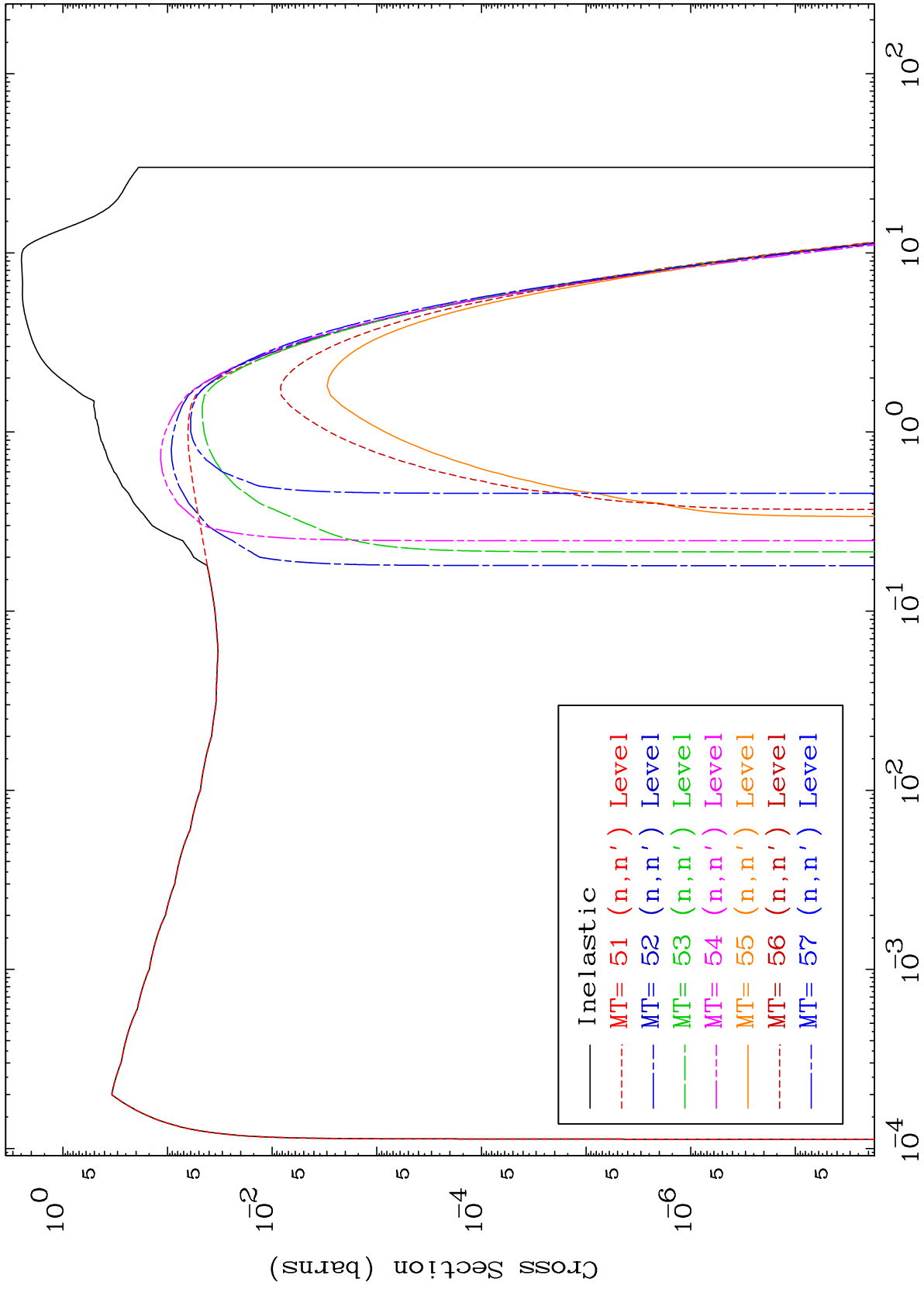
83-Bi-199



MAT 8296

(n,n') Level  
293 Kelvin Cross Sections

83-Bi-199

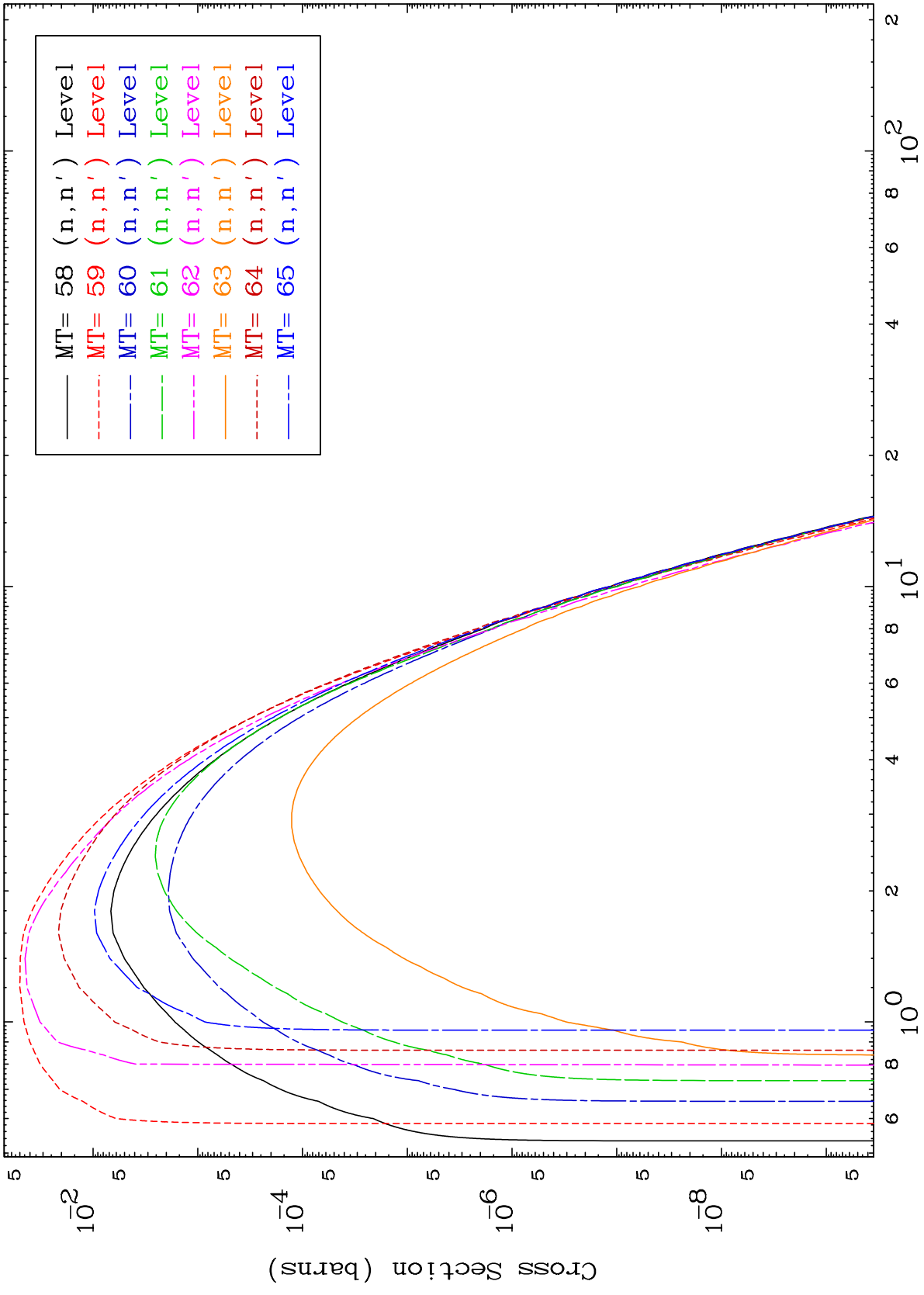




MAT 8296

(n,n') Level  
293 Kelvin Cross Sections

83-Bi-199



8

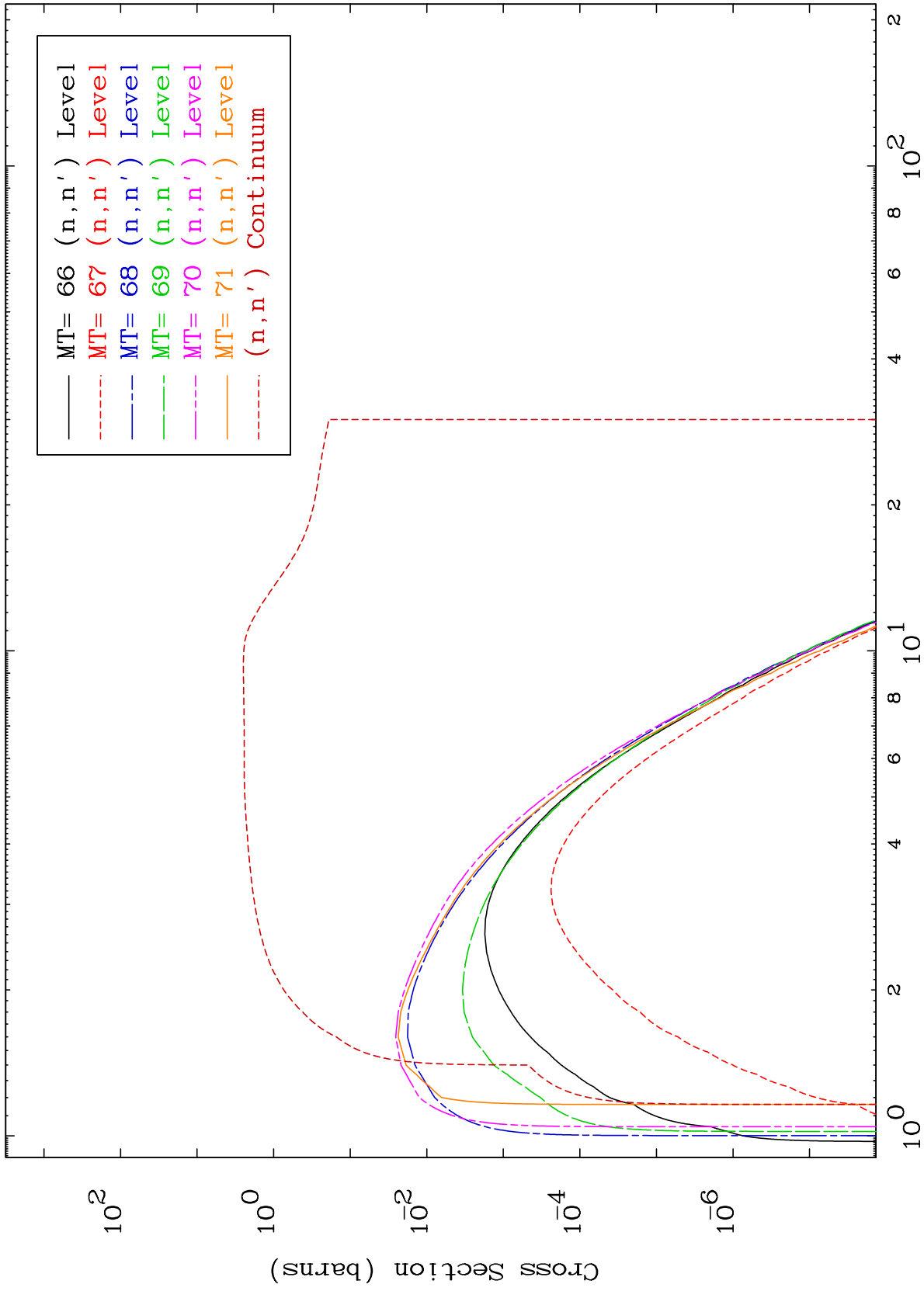
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,n') Level  
293 Kelvin Cross Sections

83-Bi-199



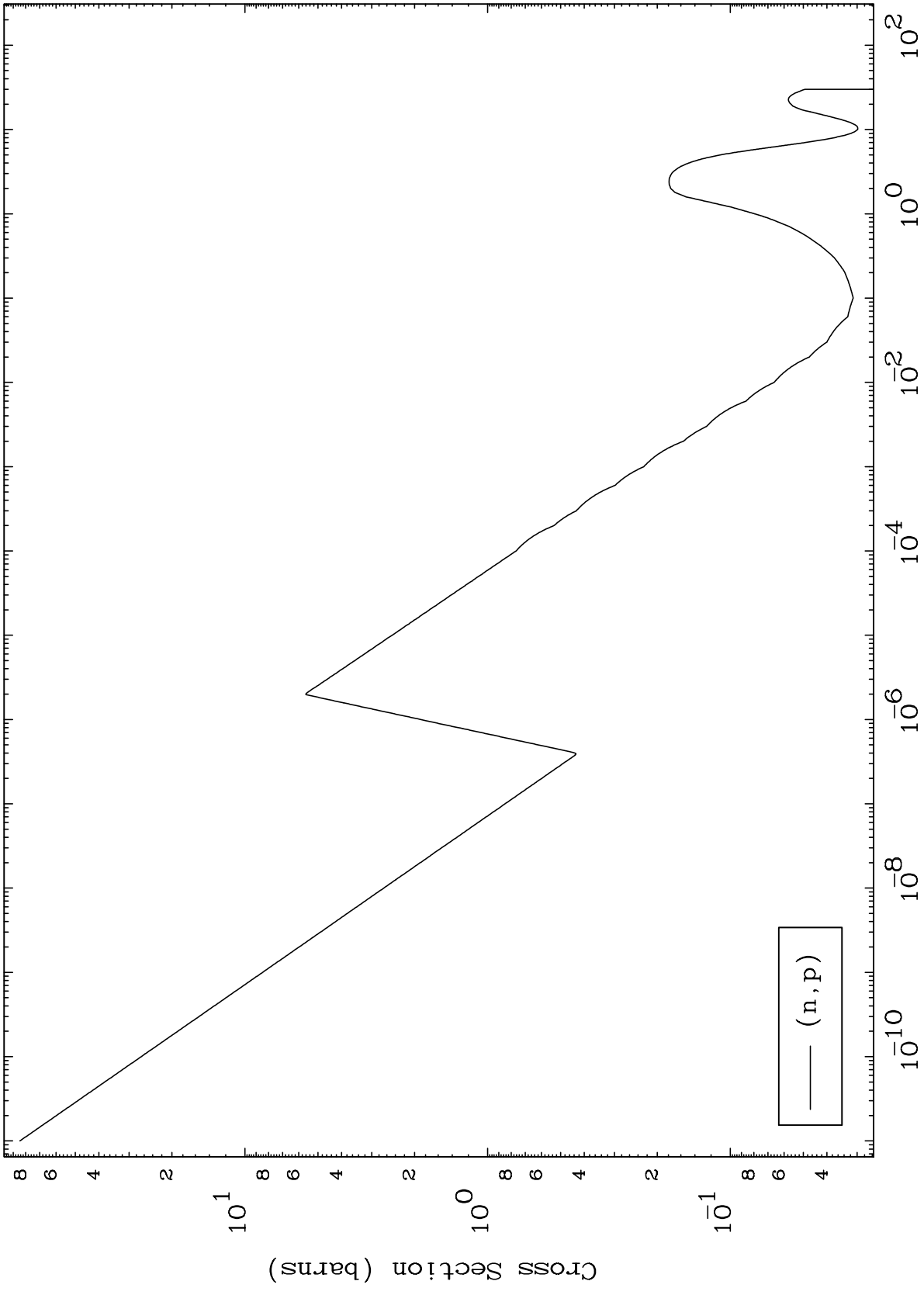
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,p) Levels  
293 Kelvin Cross Sections

83-Bi-199



10

Incident Energy (MeV)

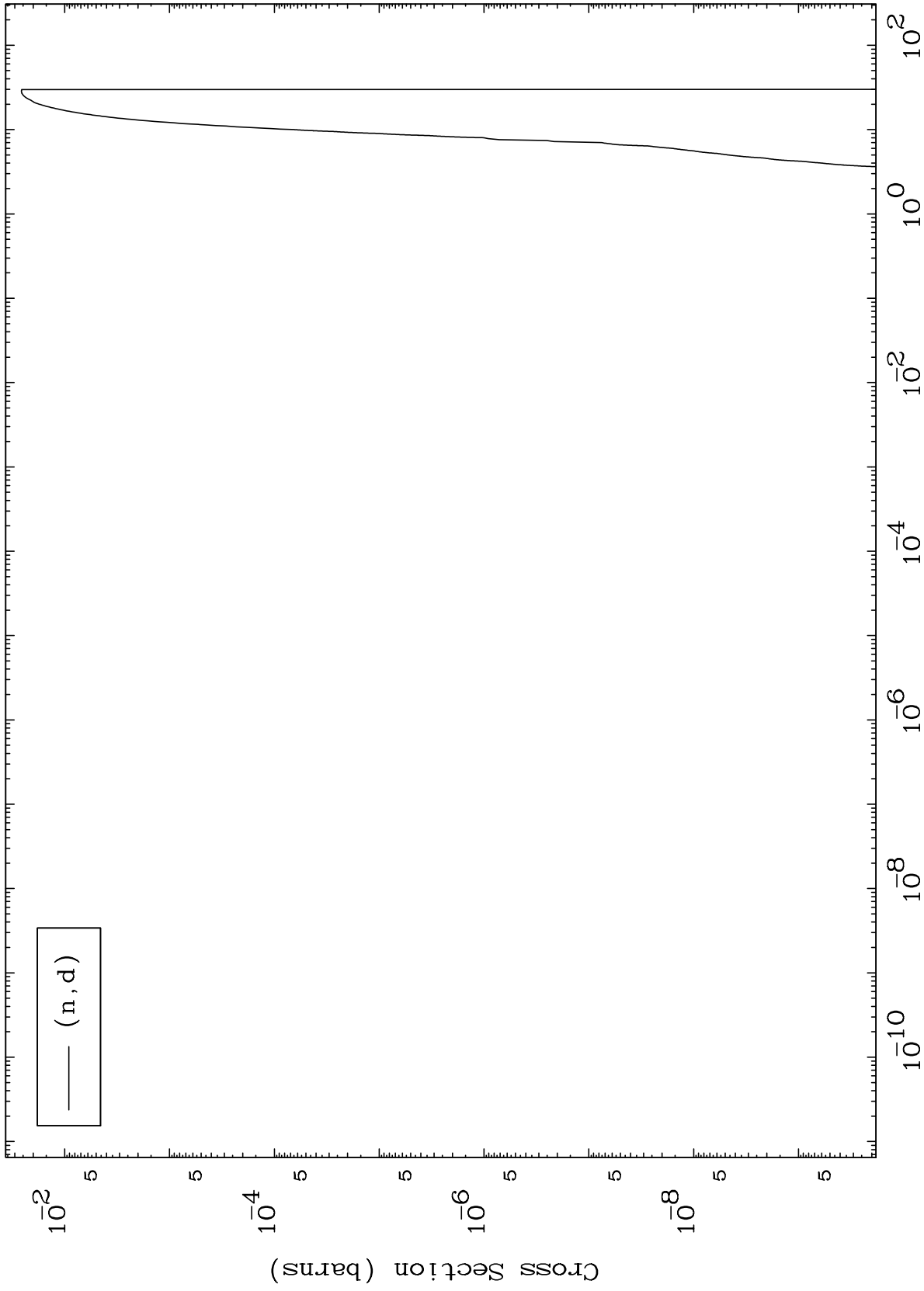
83-Bi-199

(n,p)

MAT 8296

(n,d) Levels  
293 Kelvin Cross Sections

83-Bi-199



11

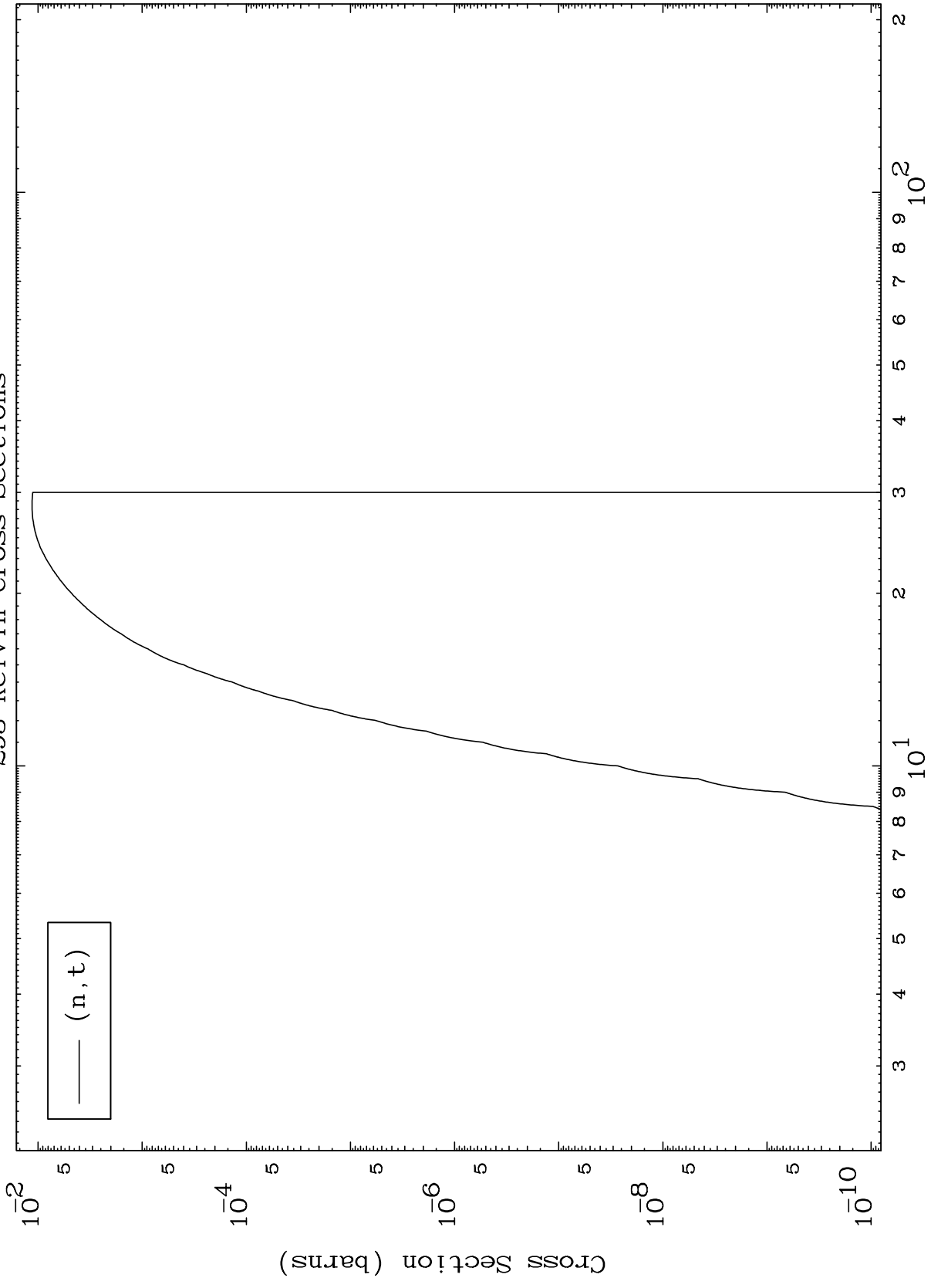
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,t) Levels  
293 Kelvin Cross Sections

83-Bi-199



12

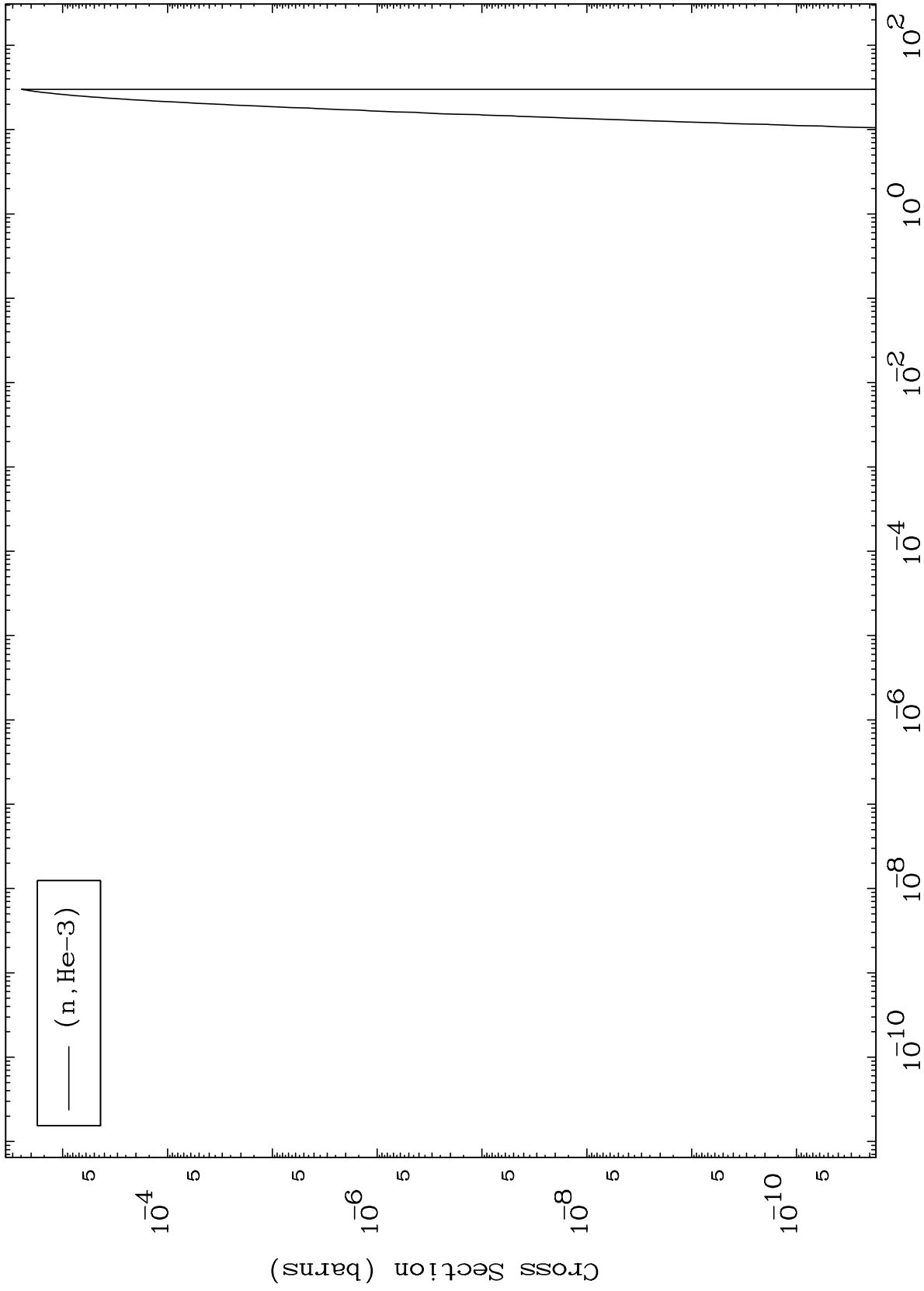
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,He3) Levels  
293 Kelvin Cross Sections

83-Bi-199



13

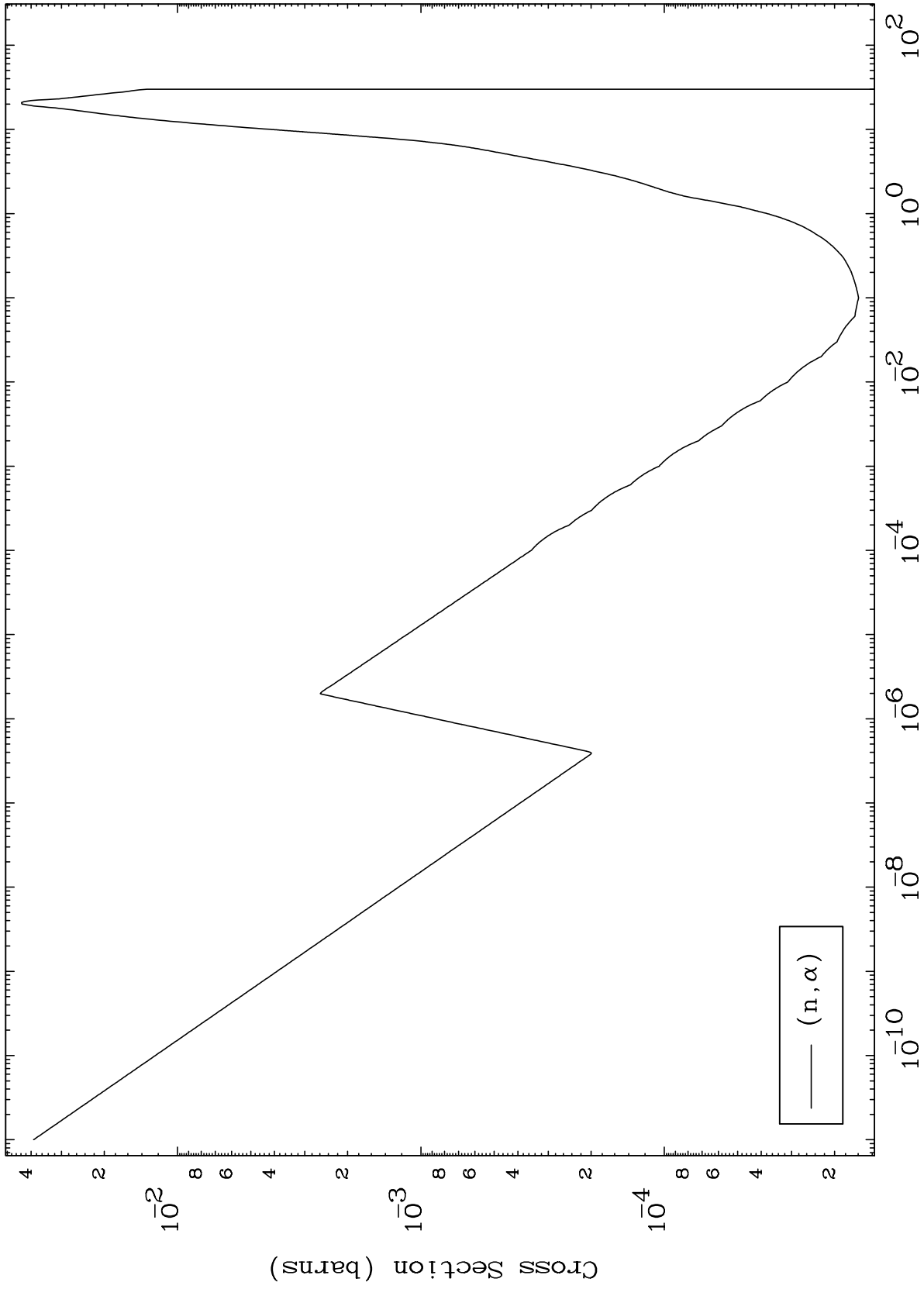
Incident Energy (MeV)

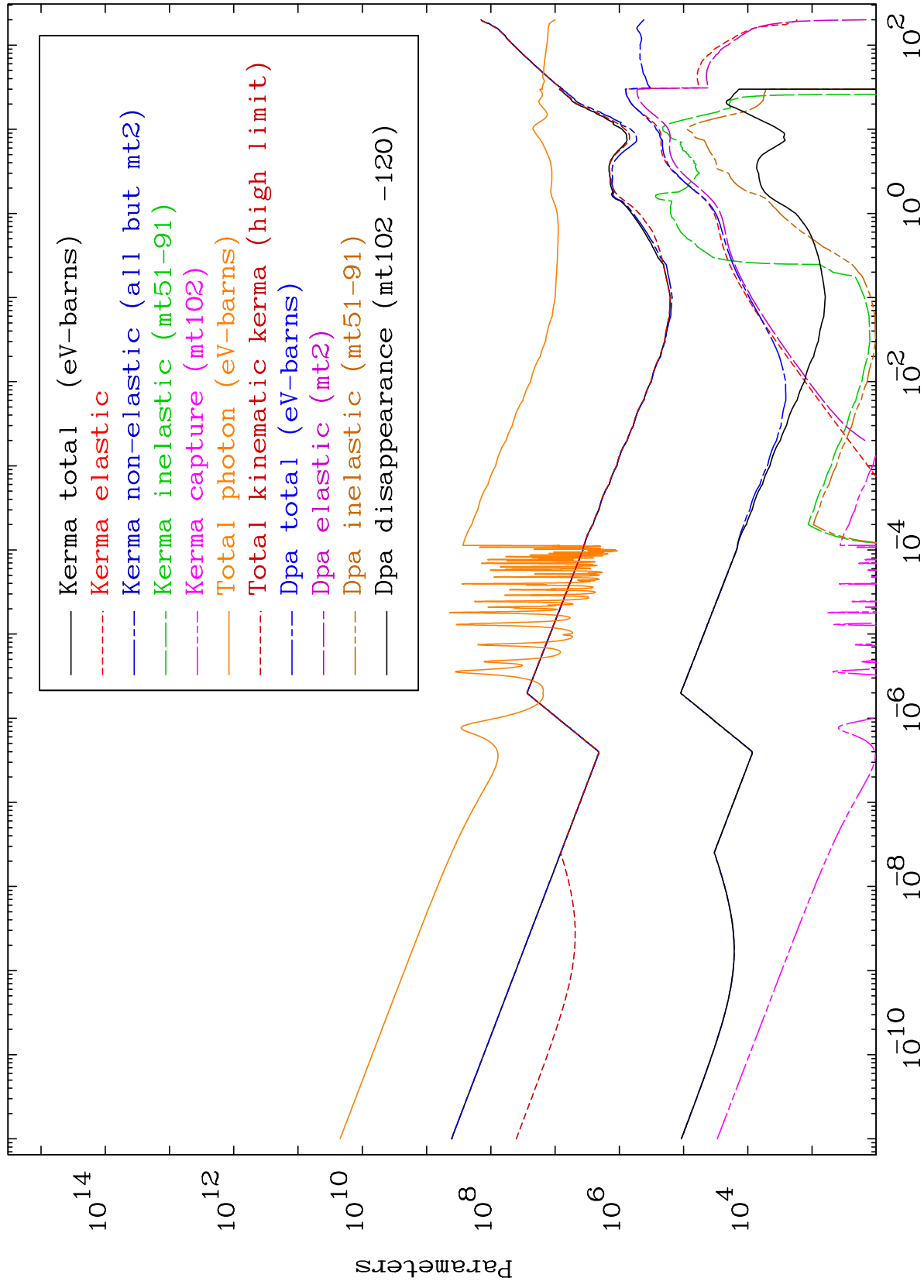
83-Bi-199

MAT 8296

(n,α) Levels  
293 Kelvin Cross Sections

83-Bi-199



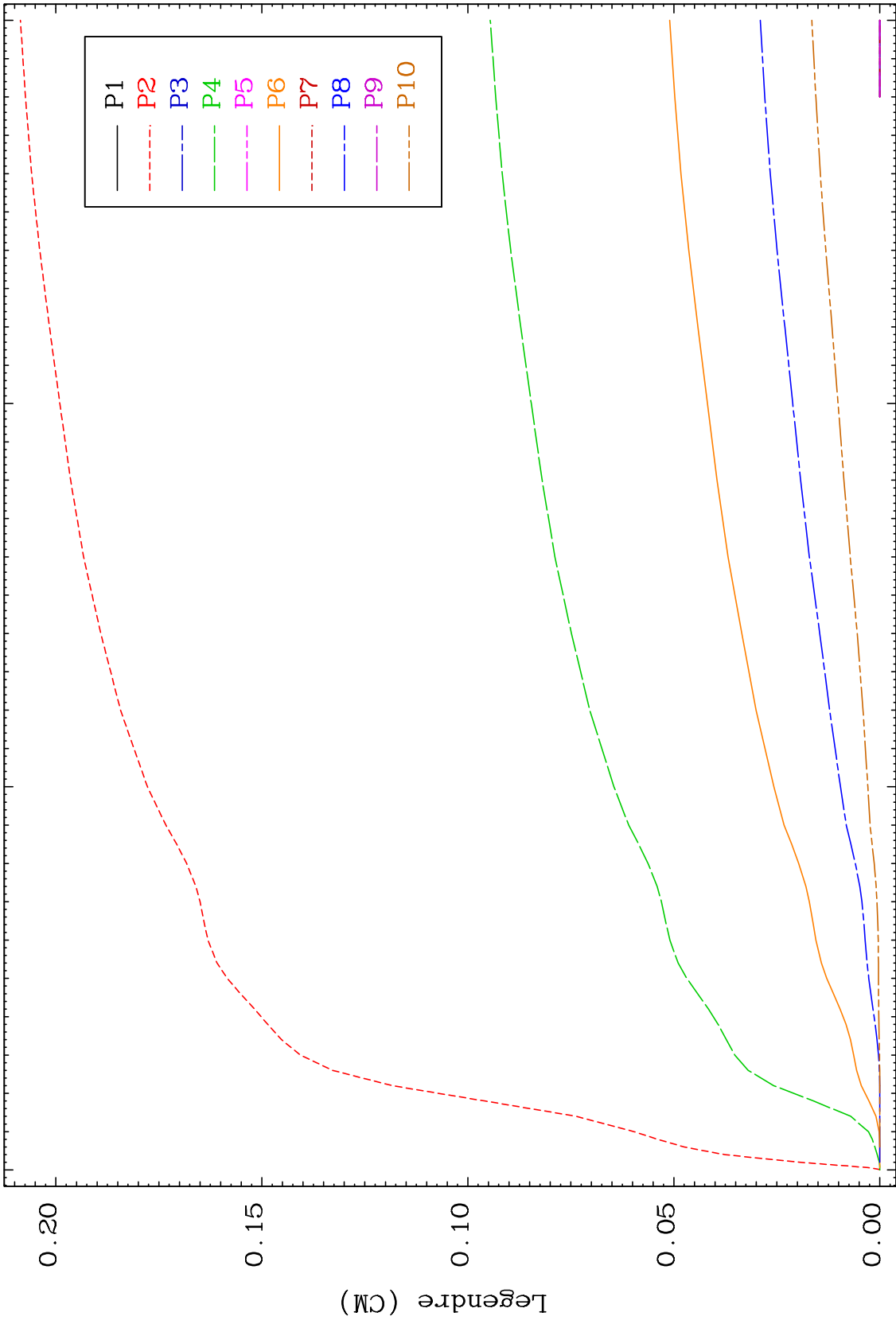




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83-Bi-199

Elastic Legendre Coefficients



83-Bi-199

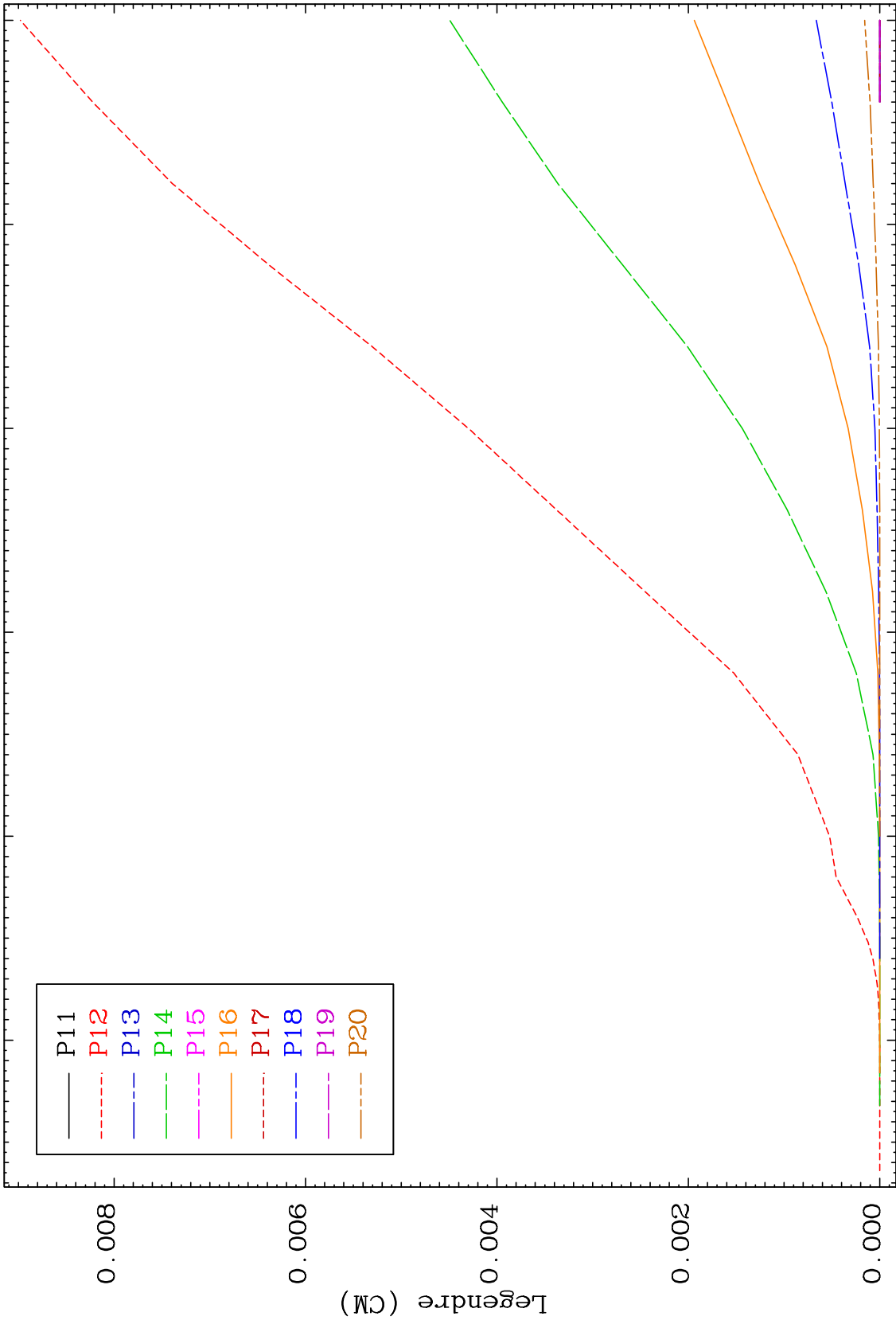
Incident Energy (MeV)

16

MAT 8296

Elastic  
Legendre Coefficients

83-Bi-199



17

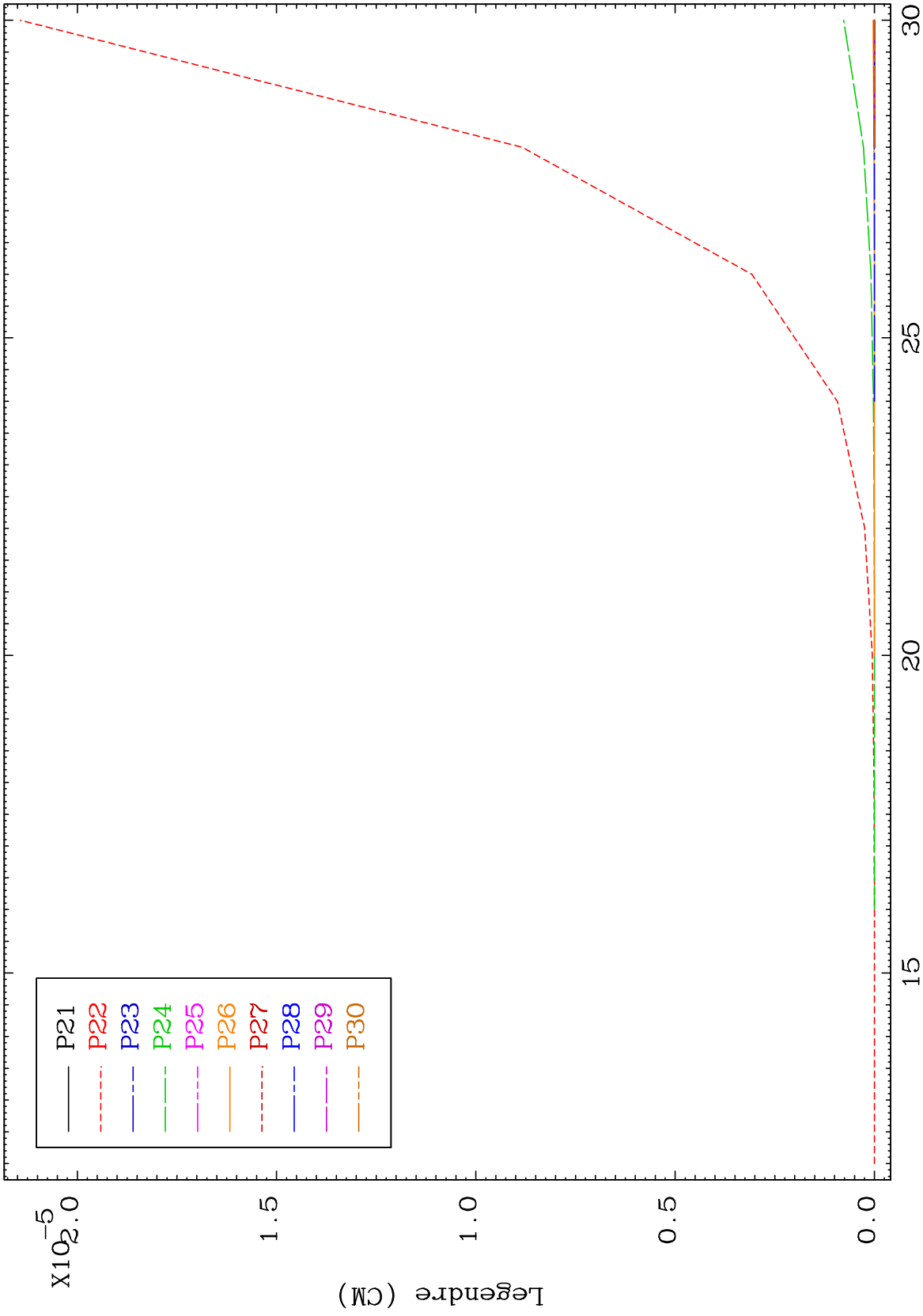
Incident Energy (MeV)

83-Bi-199

MAT 8296

### Elastic Legendre Coefficients

83-Bi-199



18

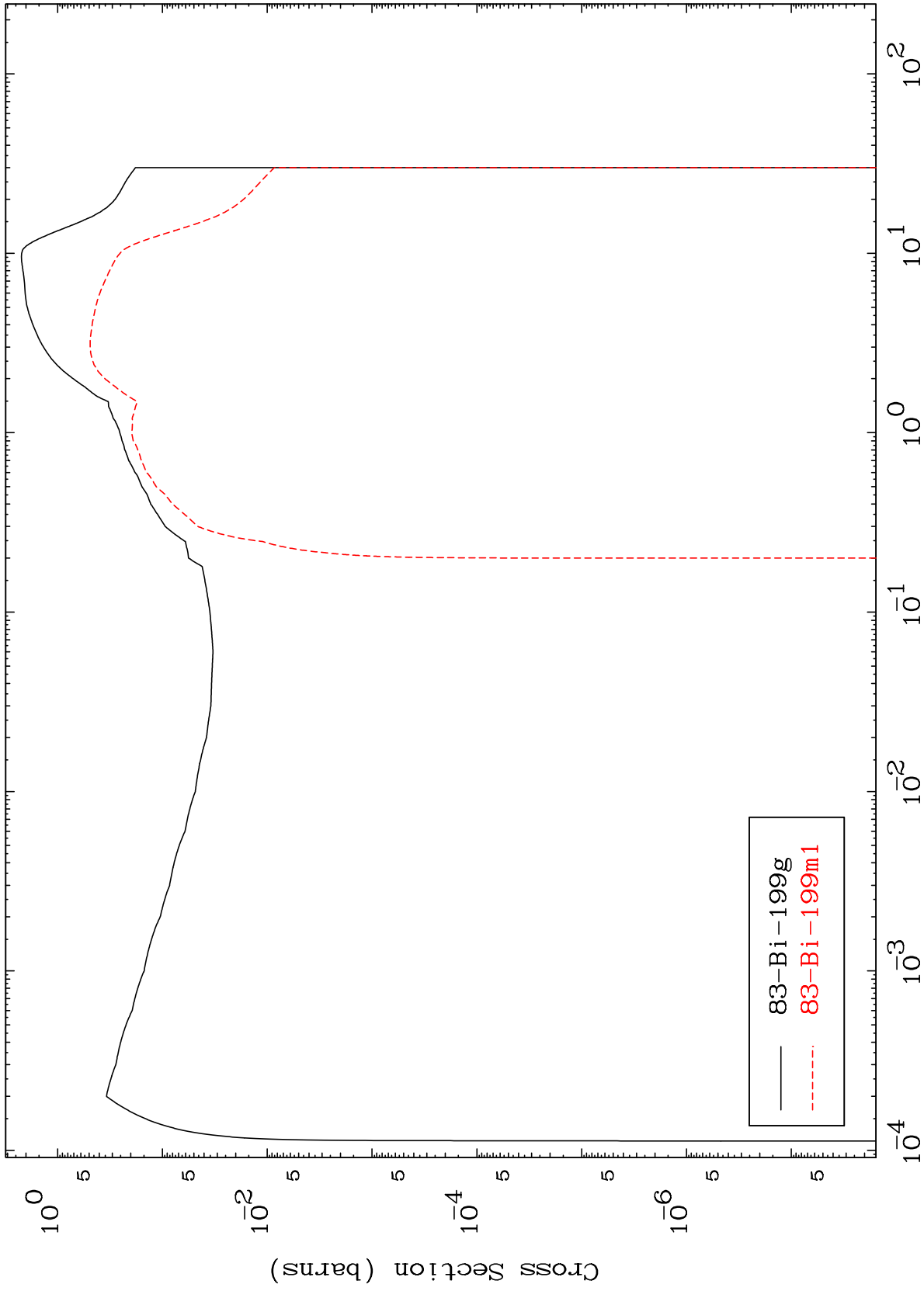
Incident Energy (MeV)

83-Bi-199

MAT 8296

83-Bi-199

### Inelastic Radionuclide Production Cross Section



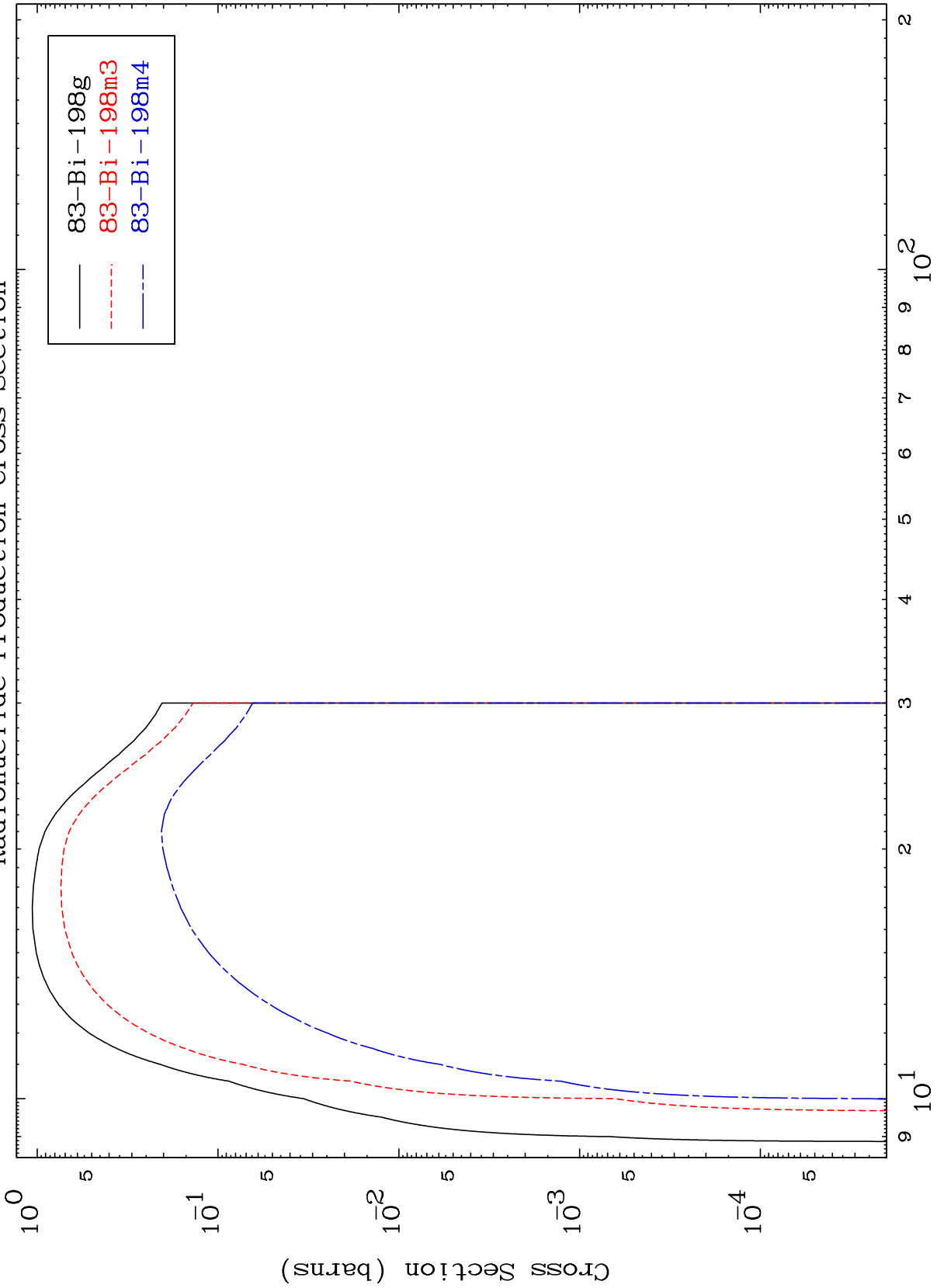
— 83-Bi-199g  
- - - 83-Bi-199m1

MAT 8296

(n,2n)

83-Bi-199

Radionuclide Production Cross Section



20

Incident Energy (MeV)

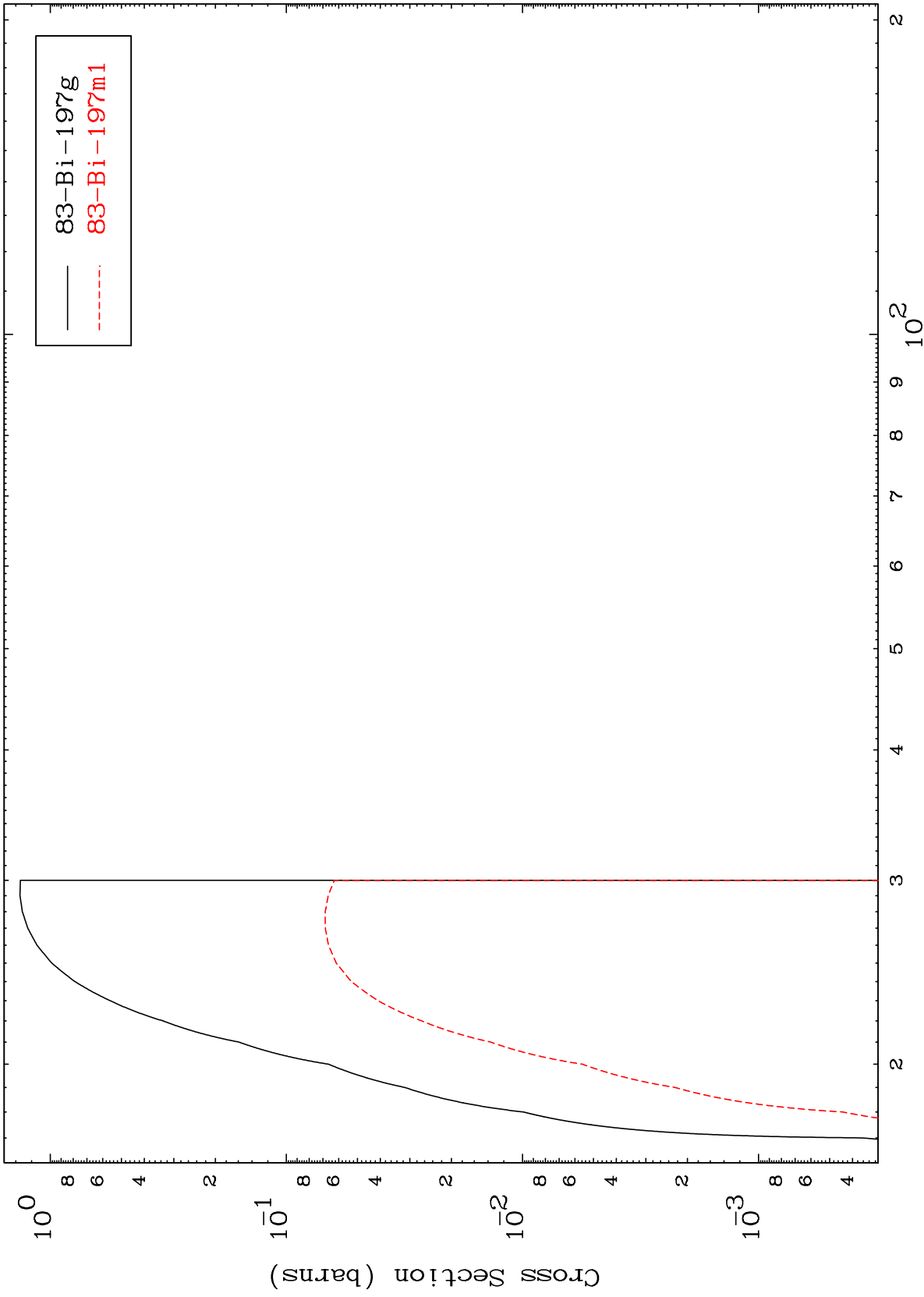
83-Bi-199

MAT 8296

(n,3n)

83-Bi-199

Radionuclide Production Cross Section



21

Incident Energy (MeV)

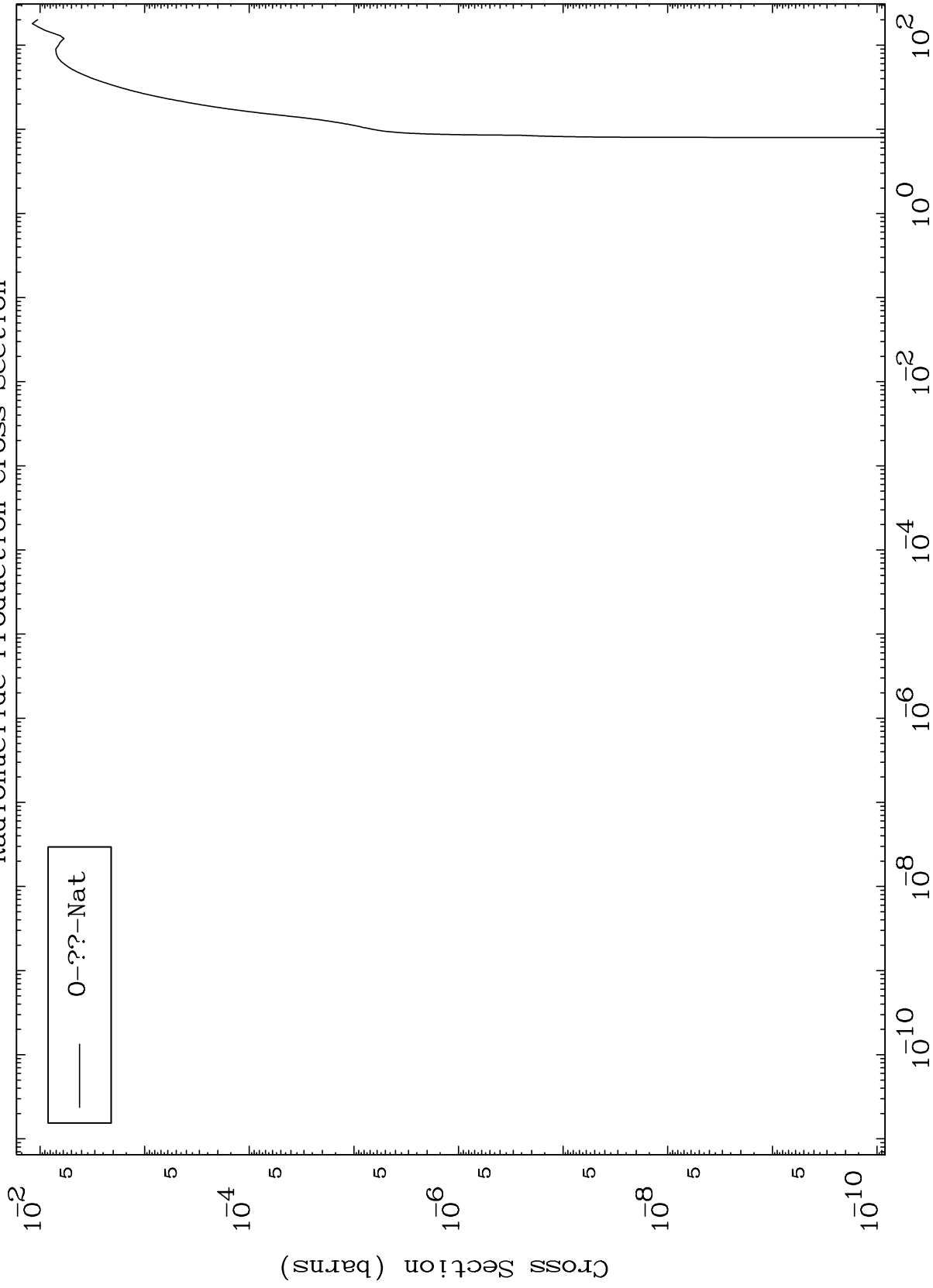
83-Bi-199

MAT 8296

Fission

83-Bi-199

Radionuclide Production Cross Section



22

Incident Energy (MeV)

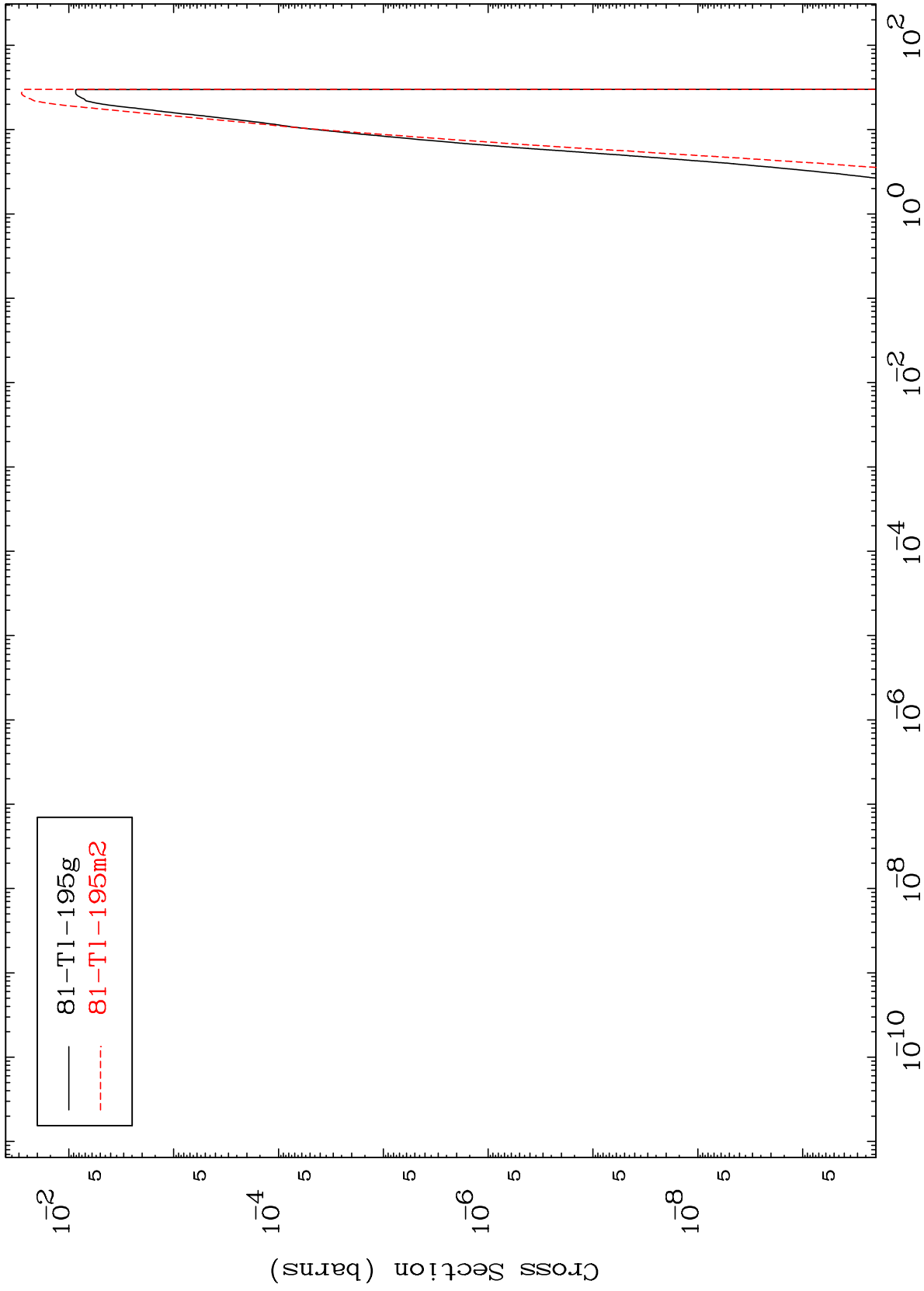
83-Bi-199

MAT 8296

(n,n')  $\alpha$

83-Bi-199

Radionuclide Production Cross Section



23

Incident Energy (MeV)

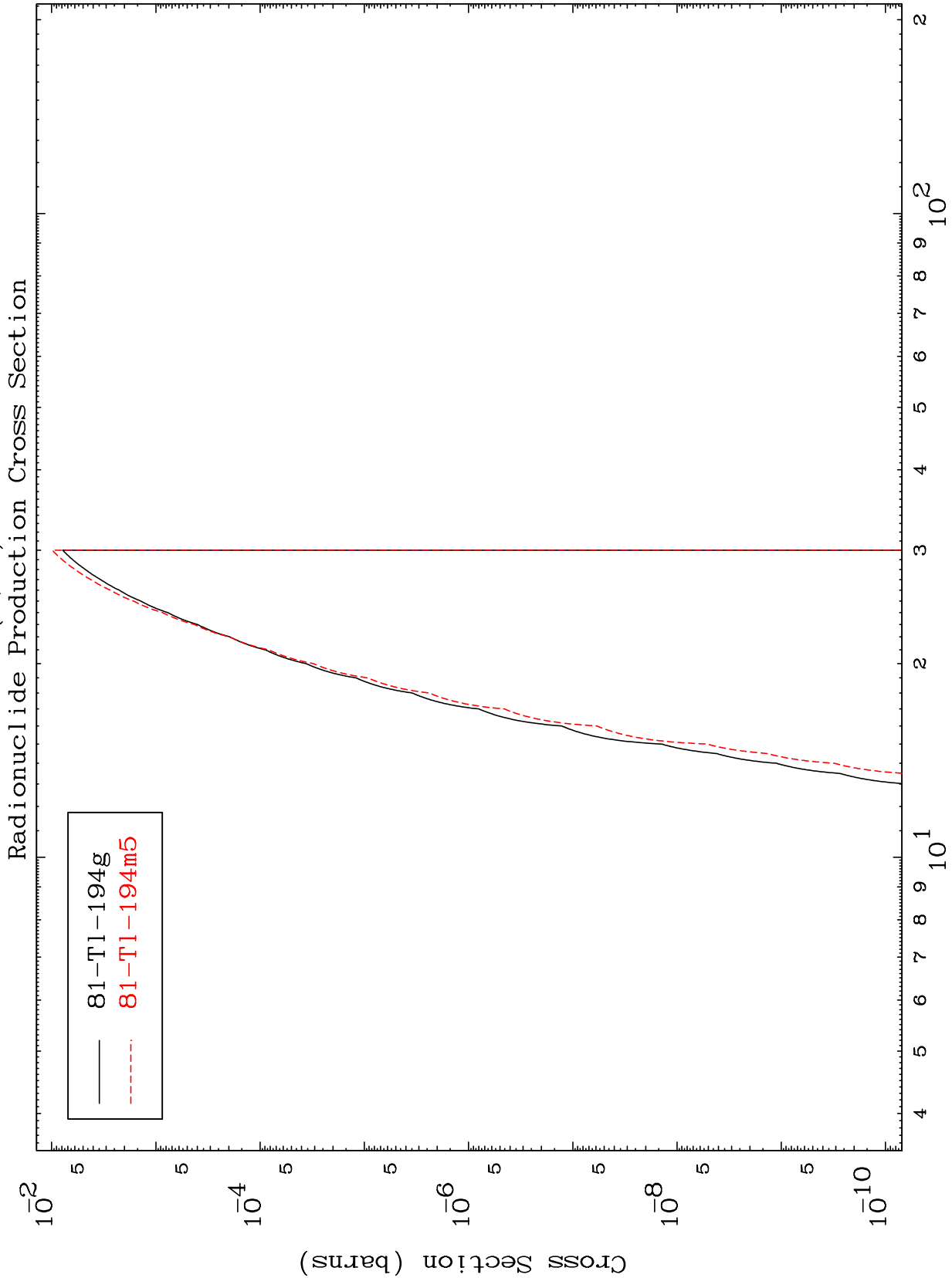
83-Bi-199



MAT 8296

(n,2n)  $\alpha$

83-Bi-199



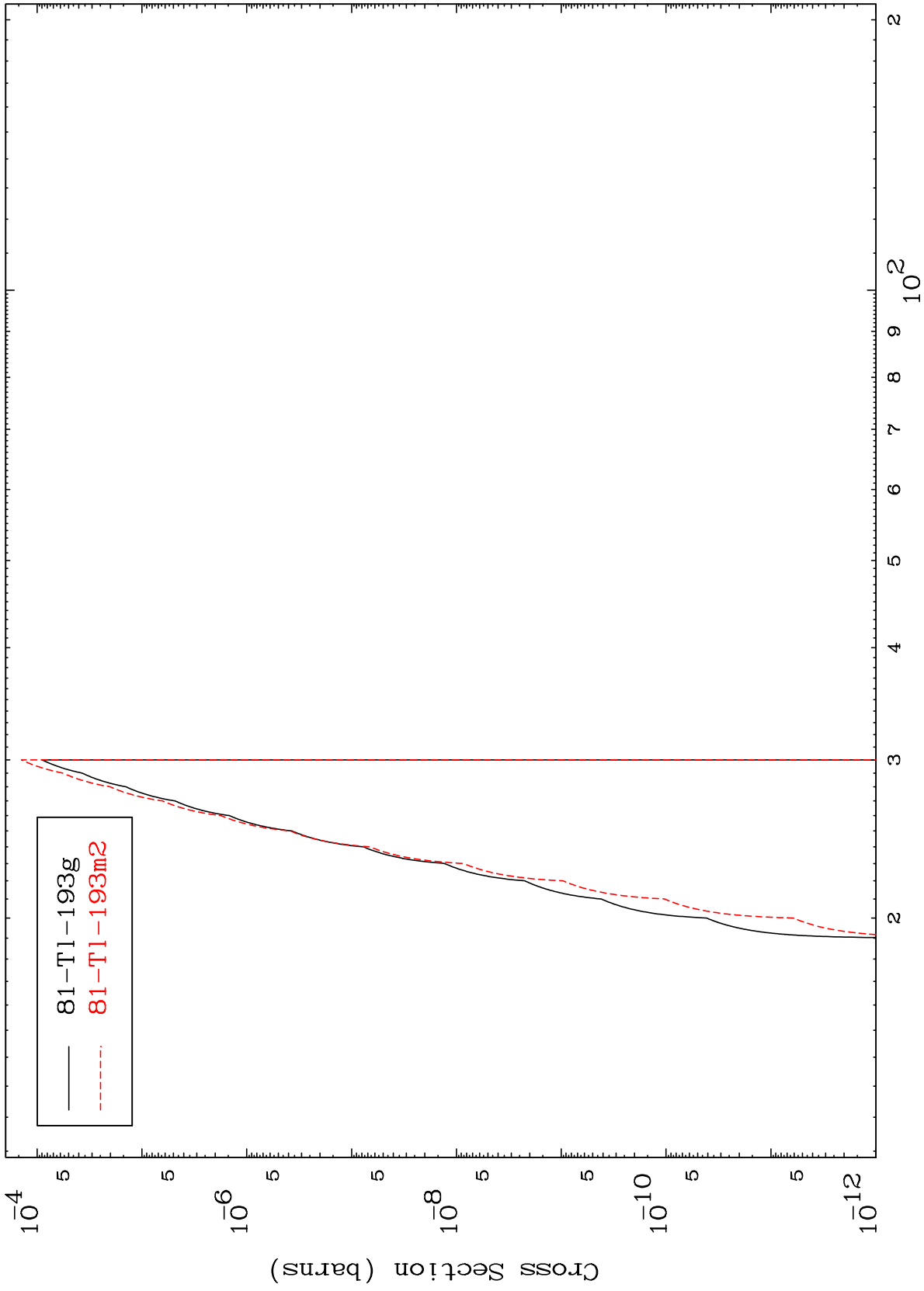
24

MAT 8296

(n,3n)  $\alpha$

83-Bi-199

Radionuclide Production Cross Section



25

Incident Energy (MeV)

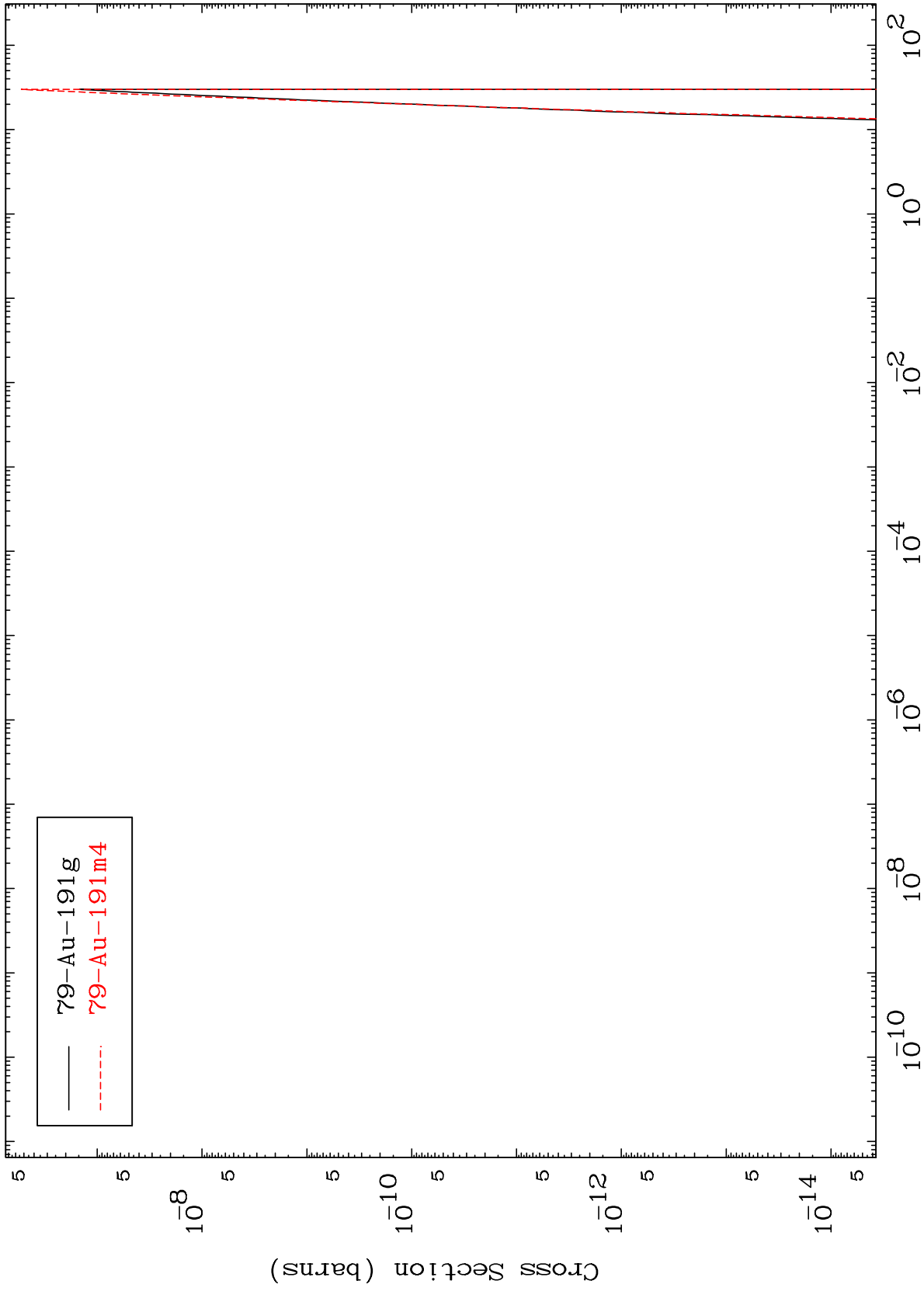
83-Bi-199

MAT 8296

(n,n') 2 $\alpha$

83-Bi-199

Radionuclide Production Cross Section



26

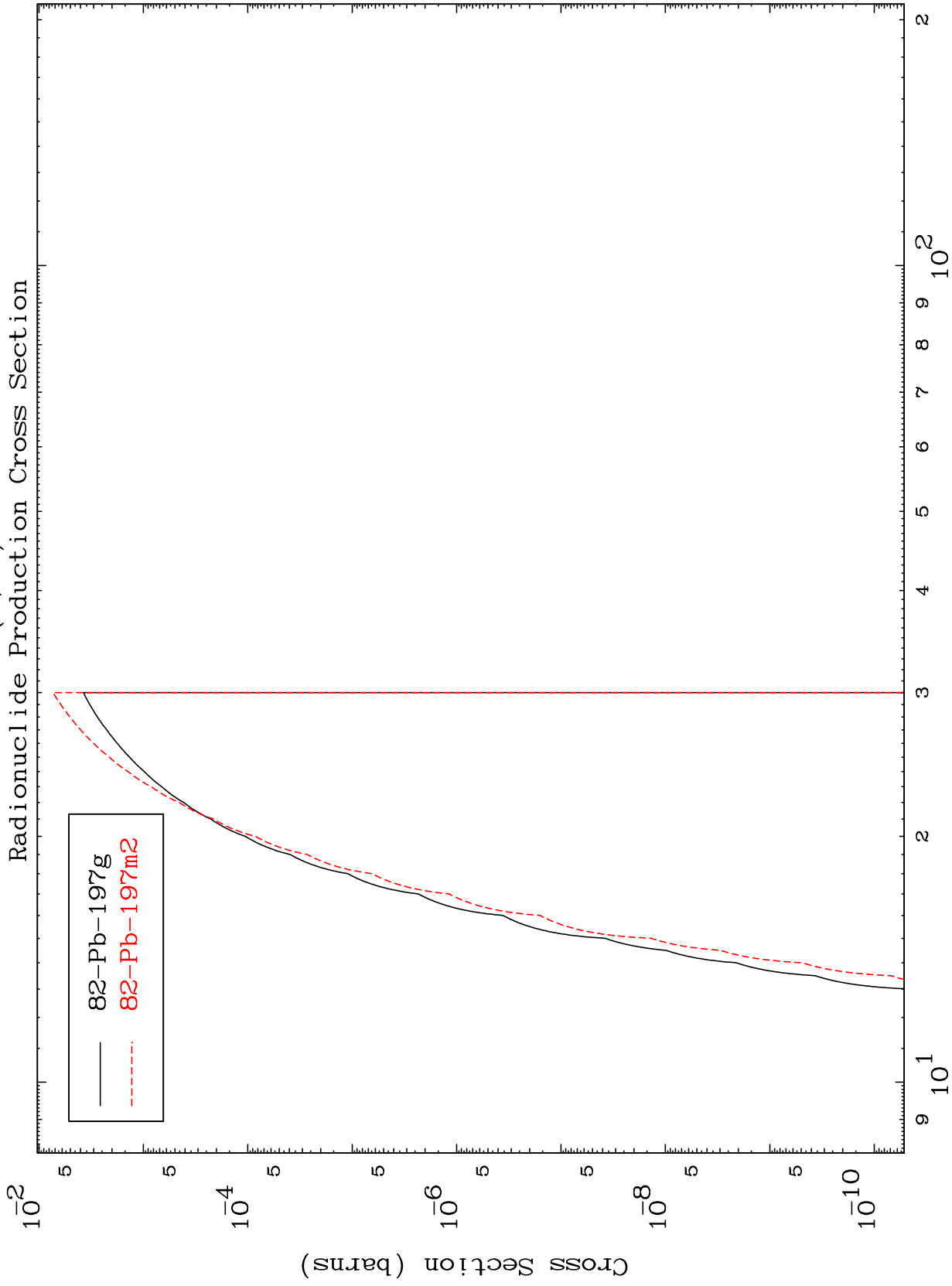
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,n') d

83-Bi-199



27

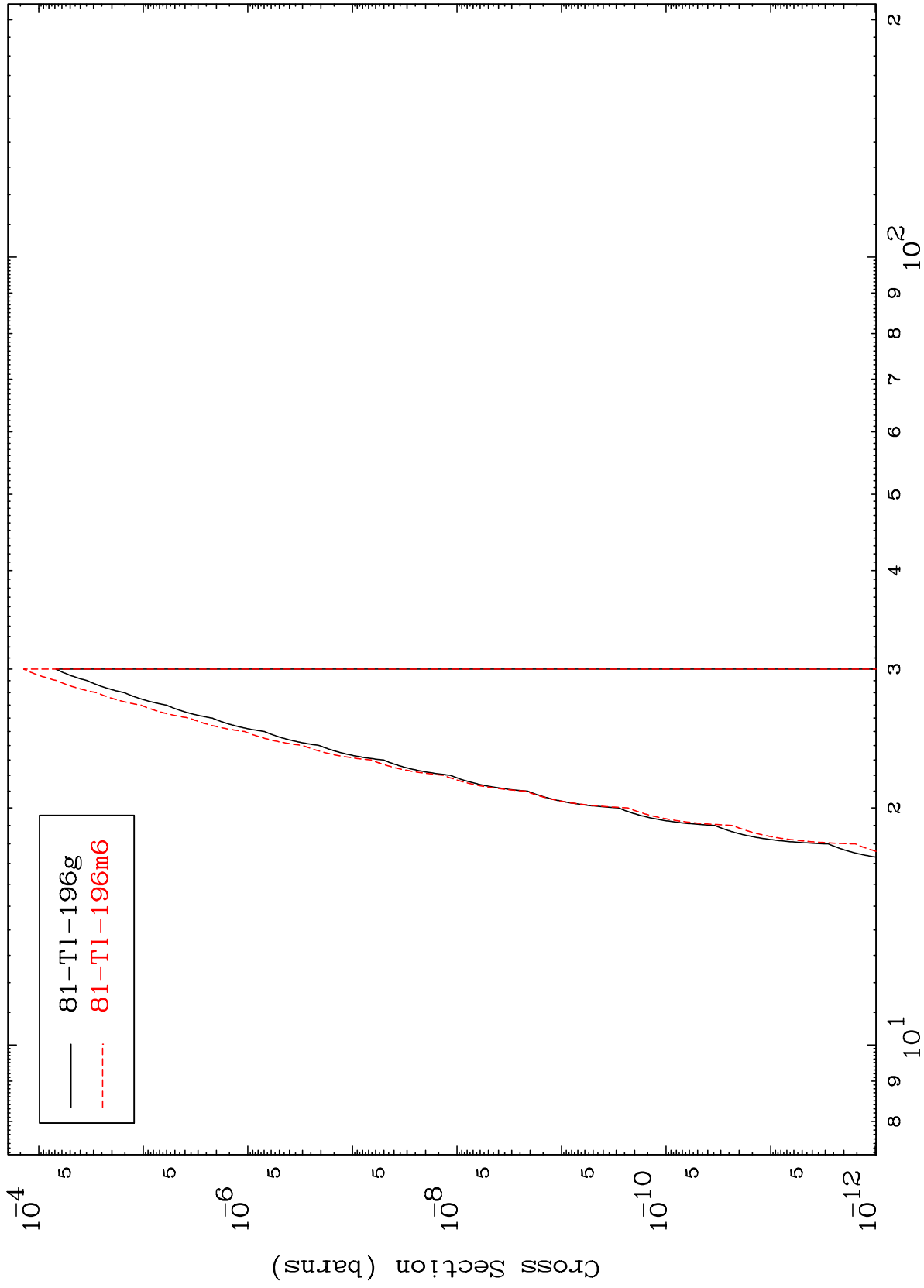
83-Bi-199

MAT 8296

(n, n') He-3

83-Bi-199

Radionuclide Production Cross Section



28

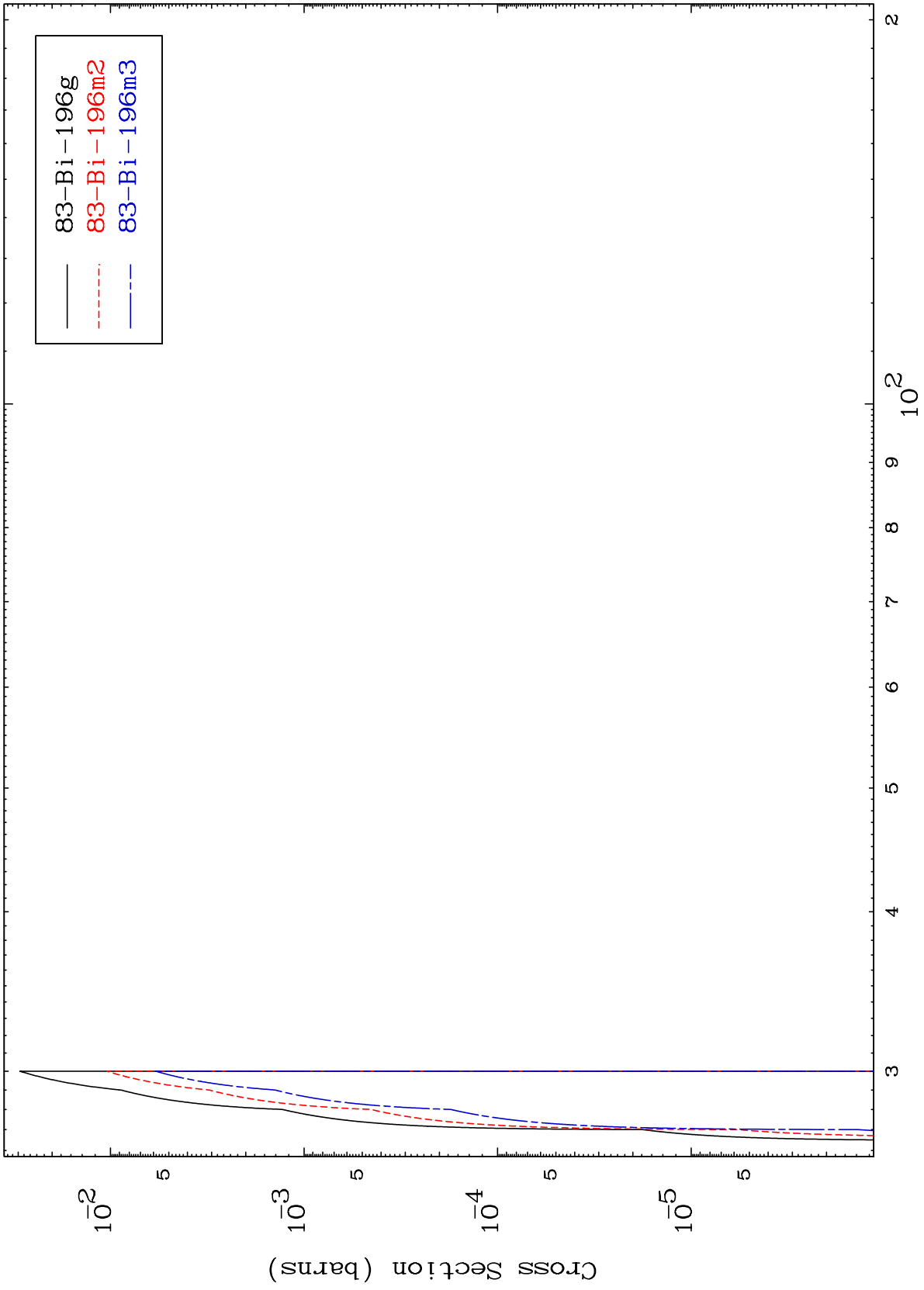
Incident Energy (MeV)

83-Bi-199

MAT 8296

83-Bi-199

(n,4n)  
Radionuclide Production Cross Section



29

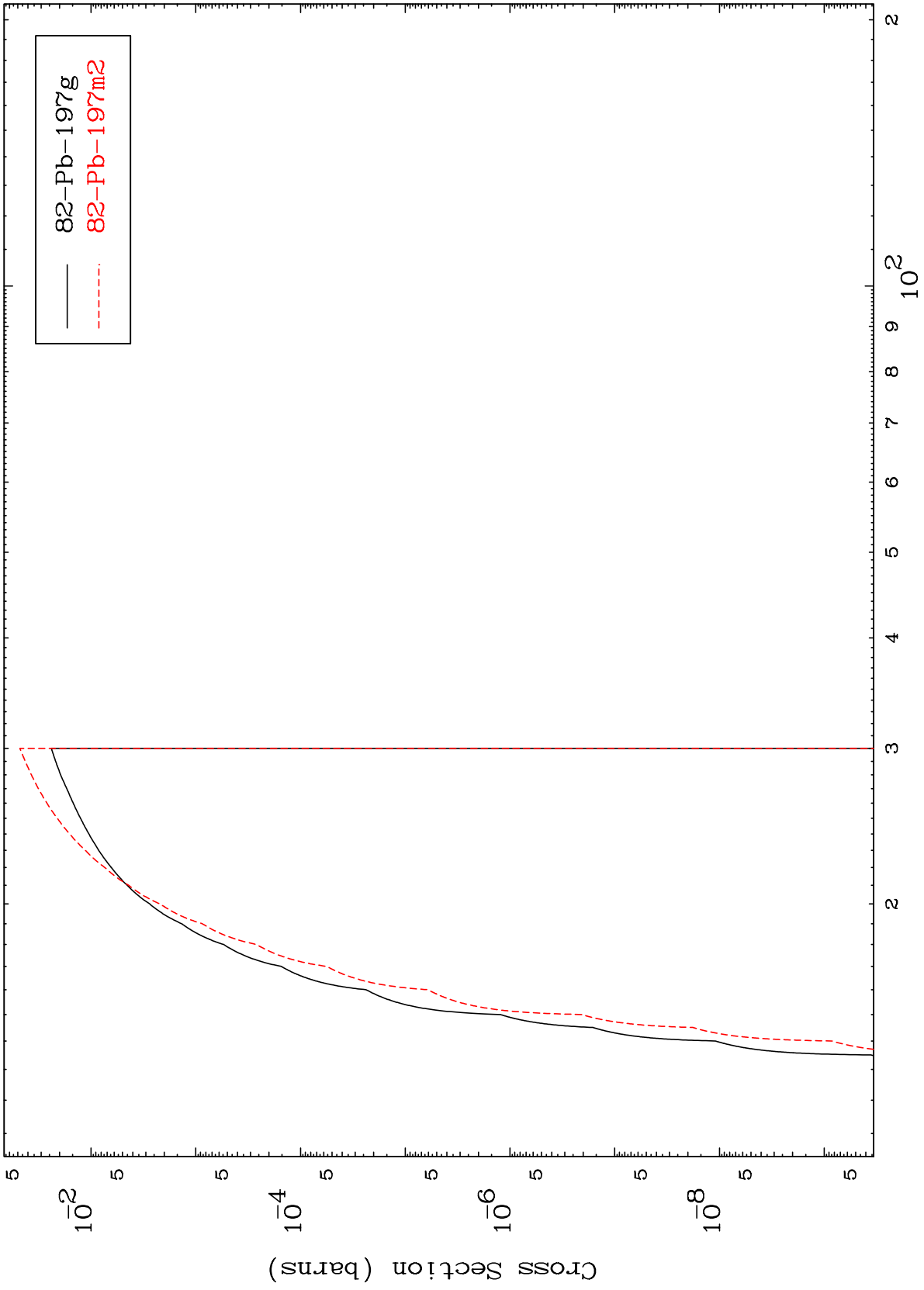
83-Bi-199

MAT 8296

(n,2n) p

83-Bi-199

Radionuclide Production Cross Section



30

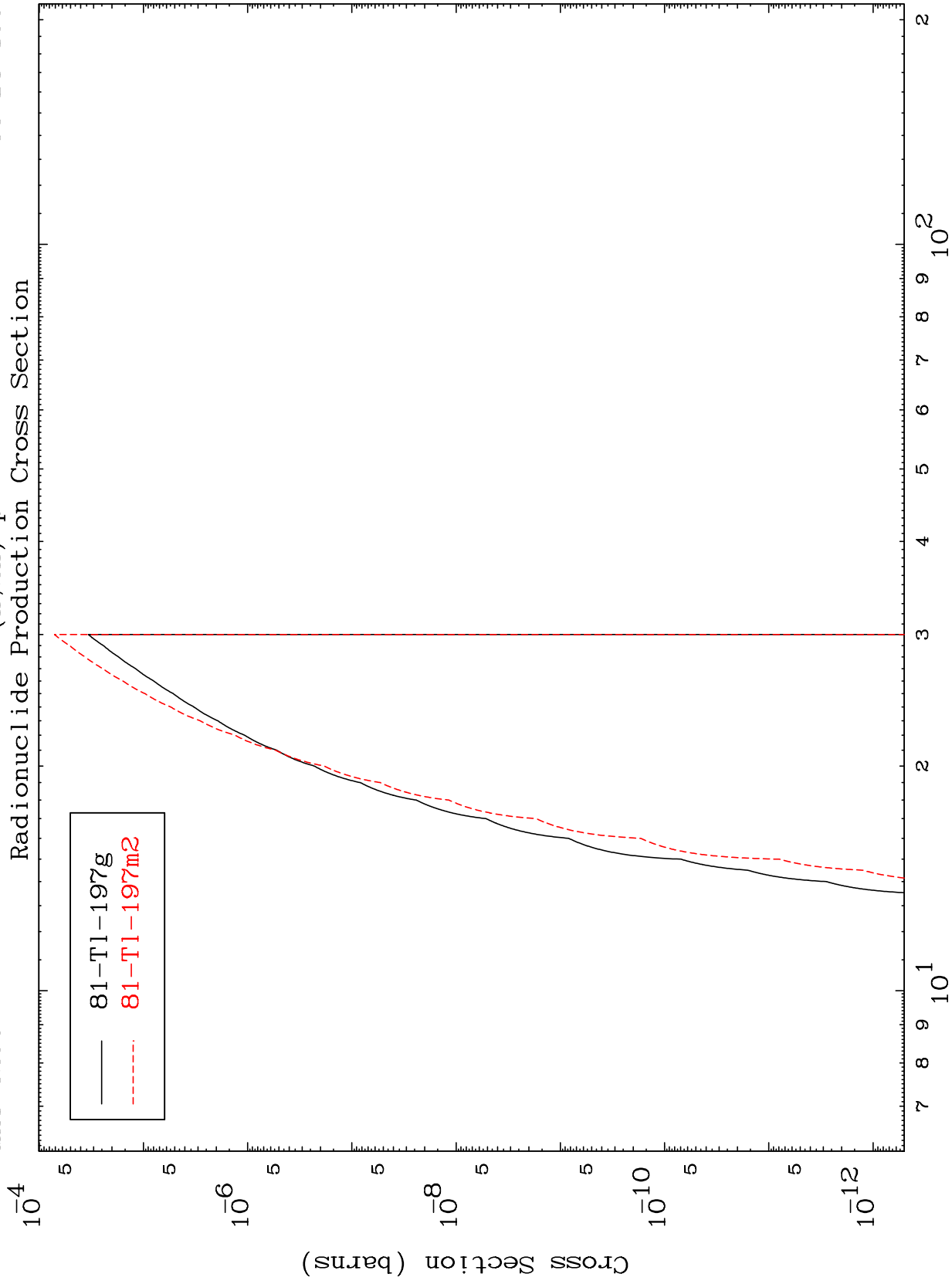
Incident Energy (MeV)

83-Bi-199

MAT 8296

(n,2n) p

83-Bi-199



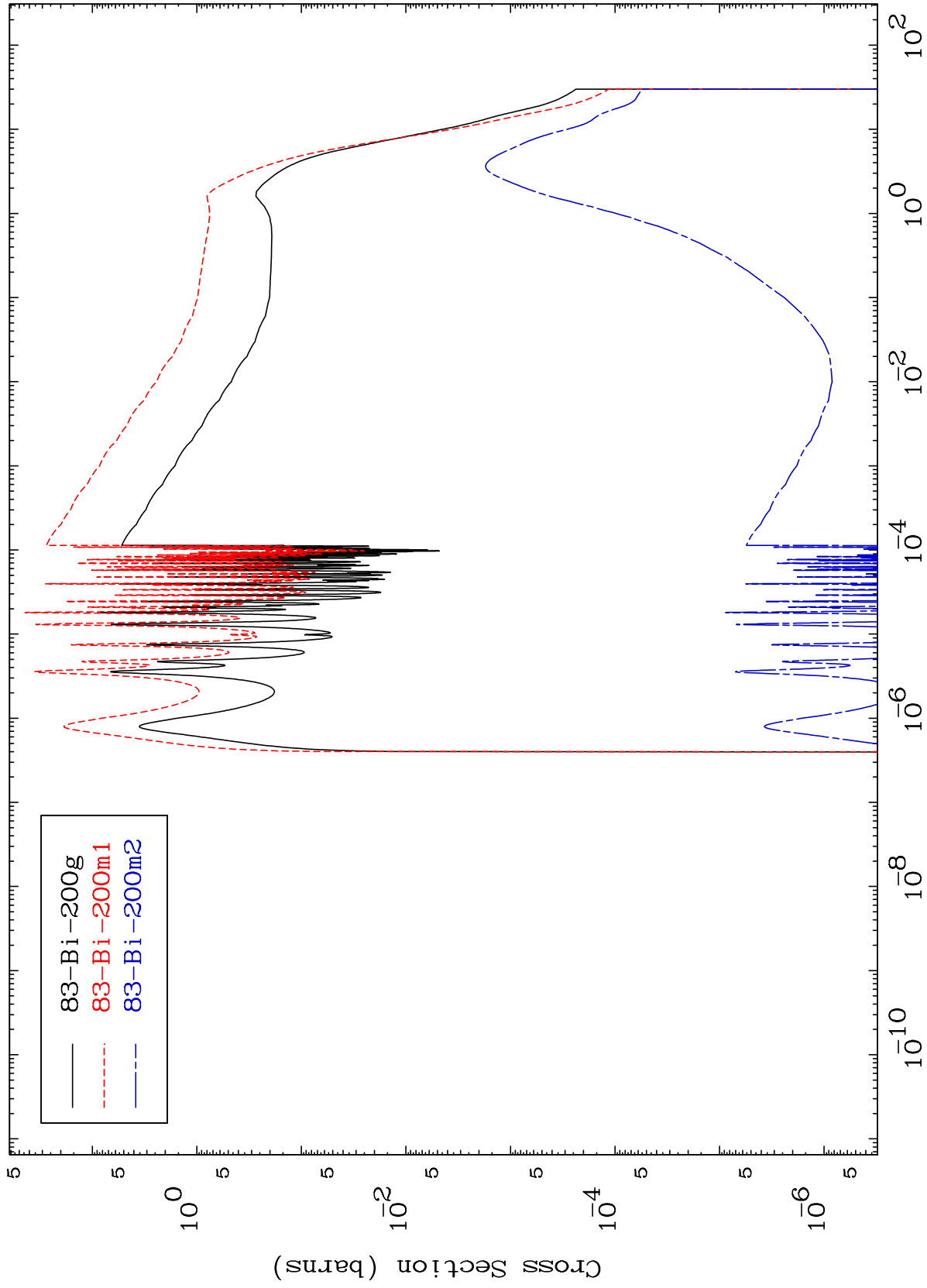
81-Tl-197g  
81-Tl-197m2



MAT 8296

83-Bi-199

Radionuclide Production Cross Section (n,γ)



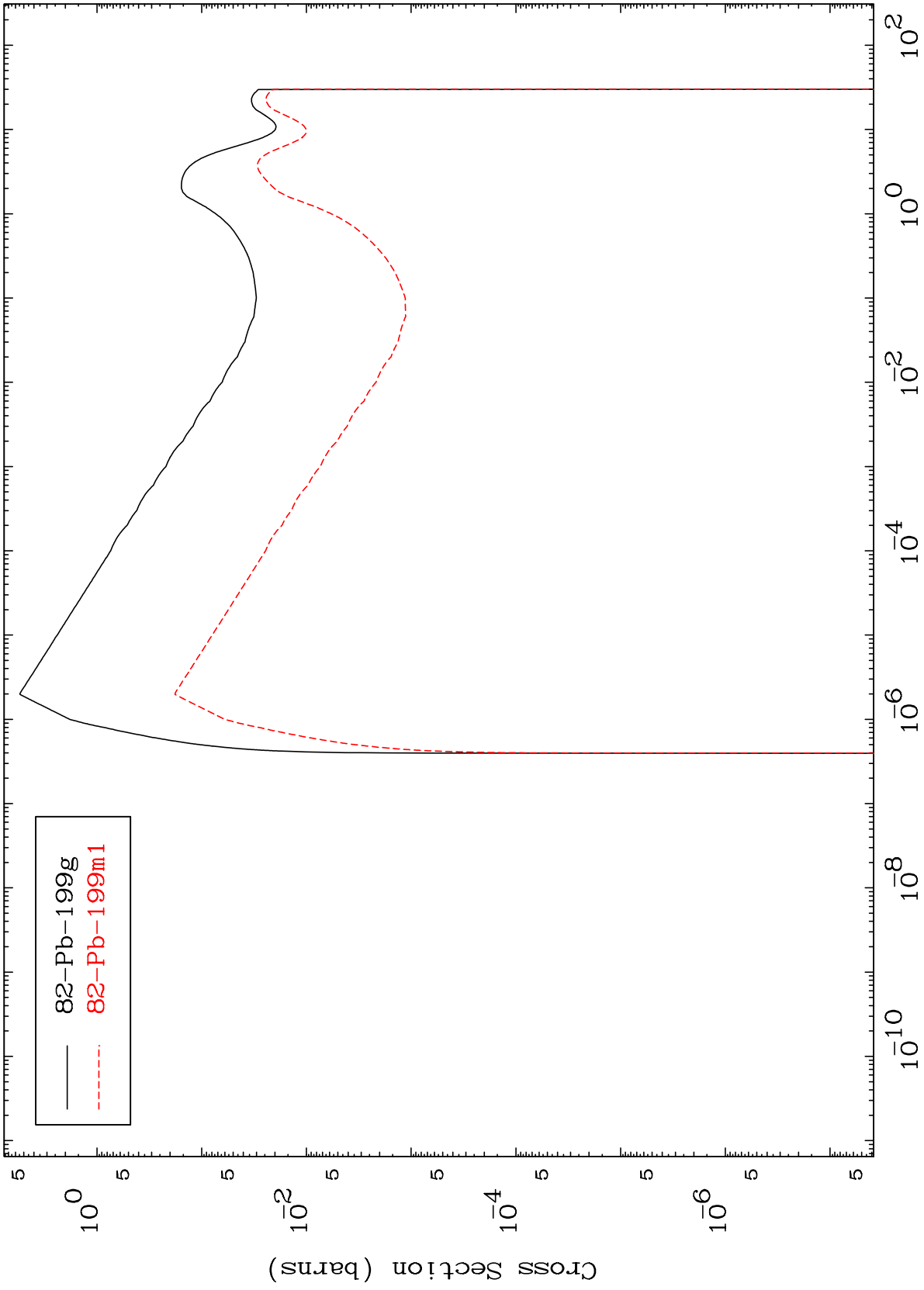
32

83-Bi-199

MAT 8296

83-Bi-199

Radionuclide Production Cross Section (n,p)

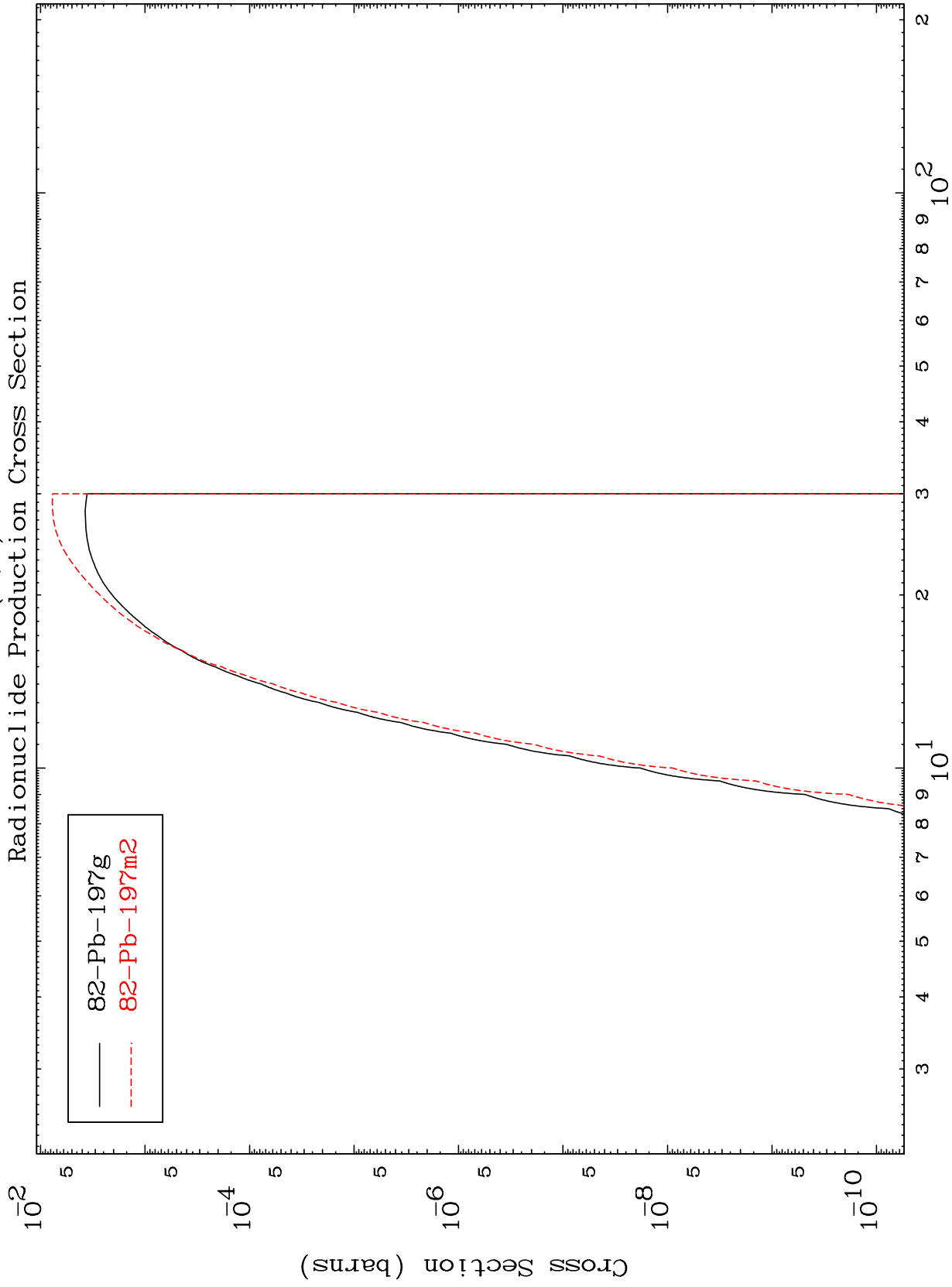


82-Pb-199g  
82-Pb-199m1

MAT 8296

83-Bi-199

(n, t)  
Radionuclide Production Cross Section



82-Pb-197g  
82-Pb-197m2

34

Incident Energy (MeV)

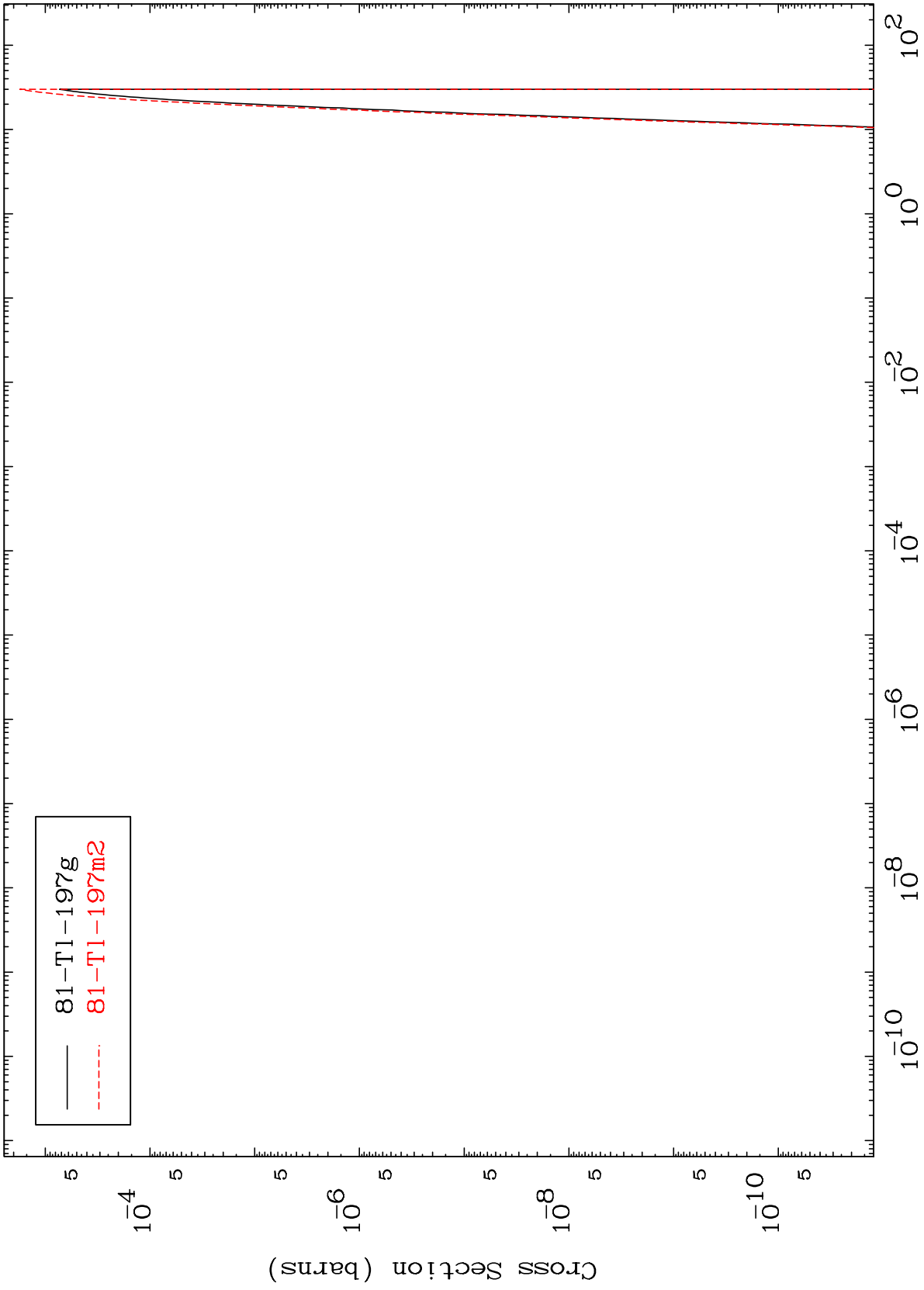
83-Bi-199

MAT 8296

(n,He-3)

83-Bi-199

Radionuclide Production Cross Section



35

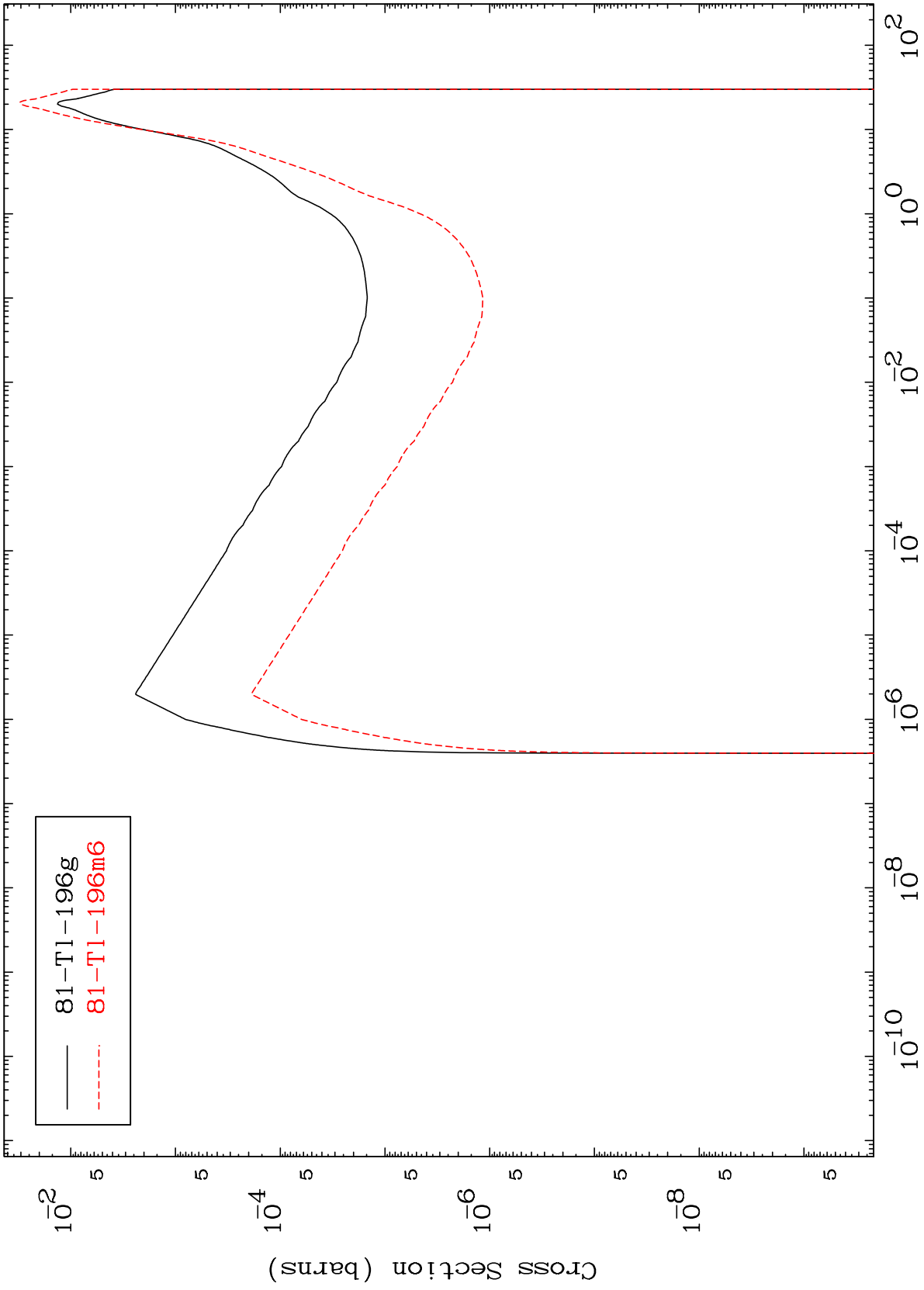
Incident Energy (MeV)

83-Bi-199

MAT 8296

83-Bi-199

(n,α)  
Radionuclide Production Cross Section



36

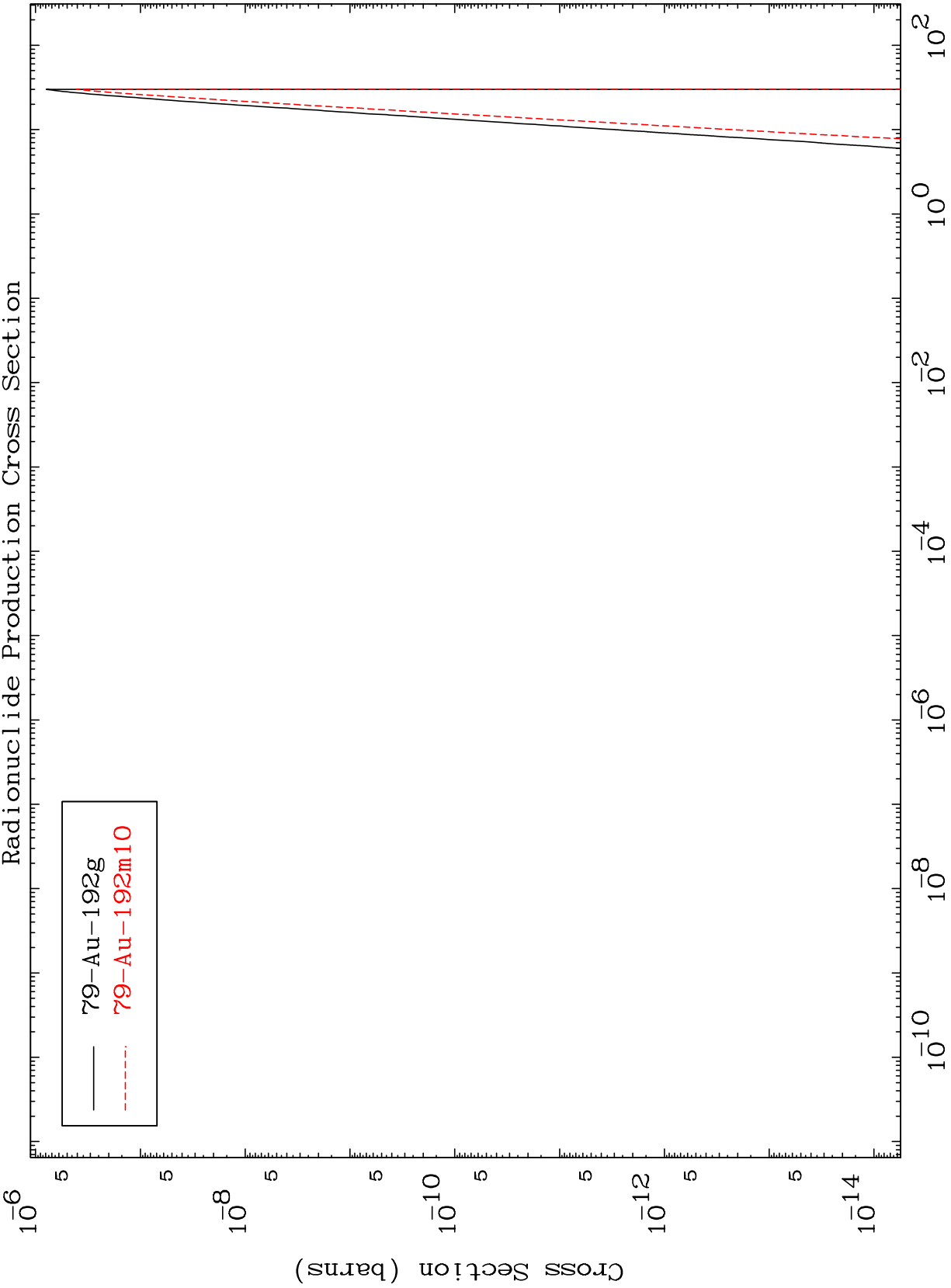
83-Bi-199

MAT 8296

(n,2α)

83-Bi-199

Radionuclide Production Cross Section



79-Au-192g  
79-Au-192m10

37

Incident Energy (MeV)

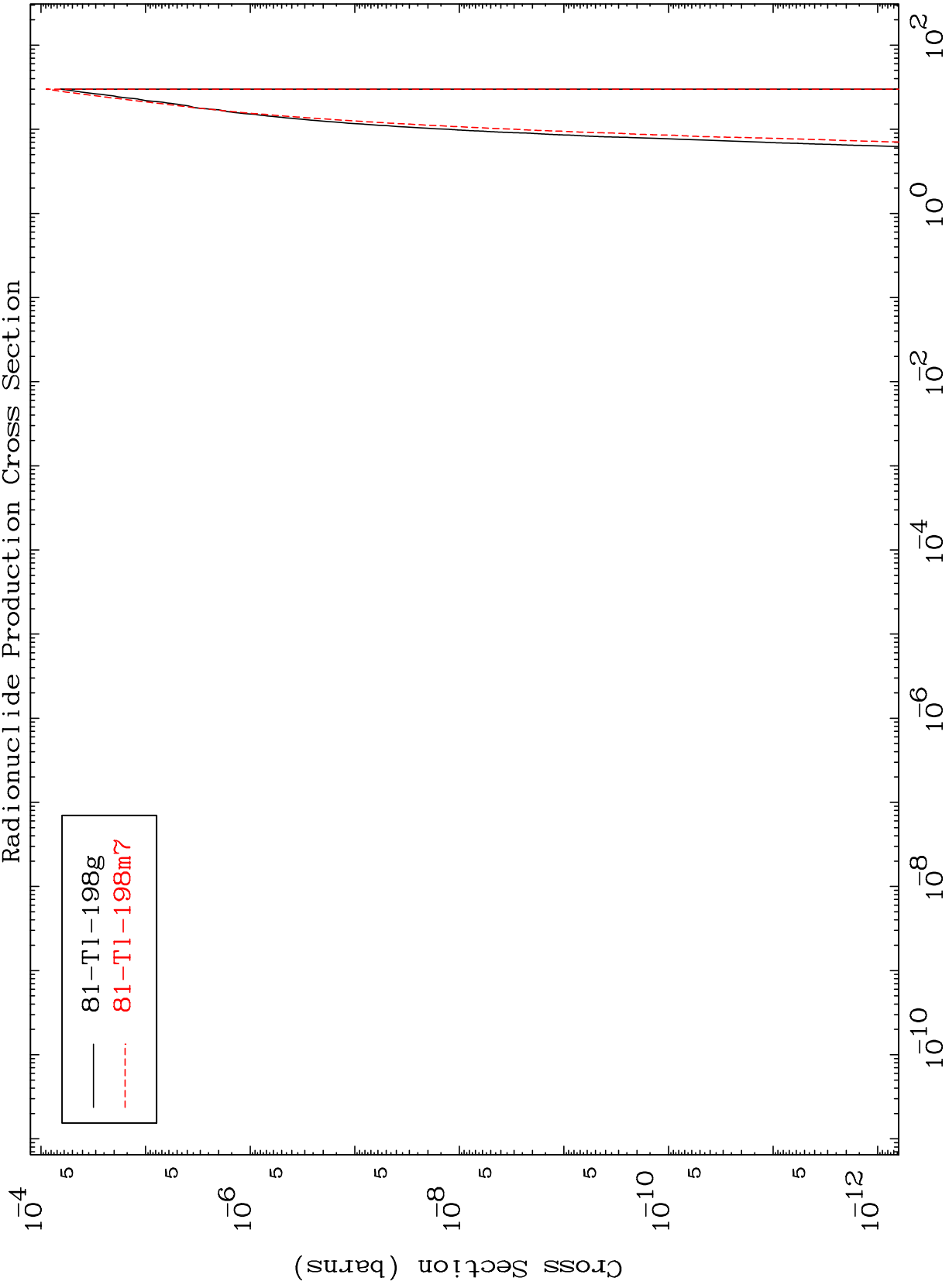
83-Bi-199

MAT 8296

(n,2p)

83-Bi-199

Radionuclide Production Cross Section



38

Incident Energy (MeV)

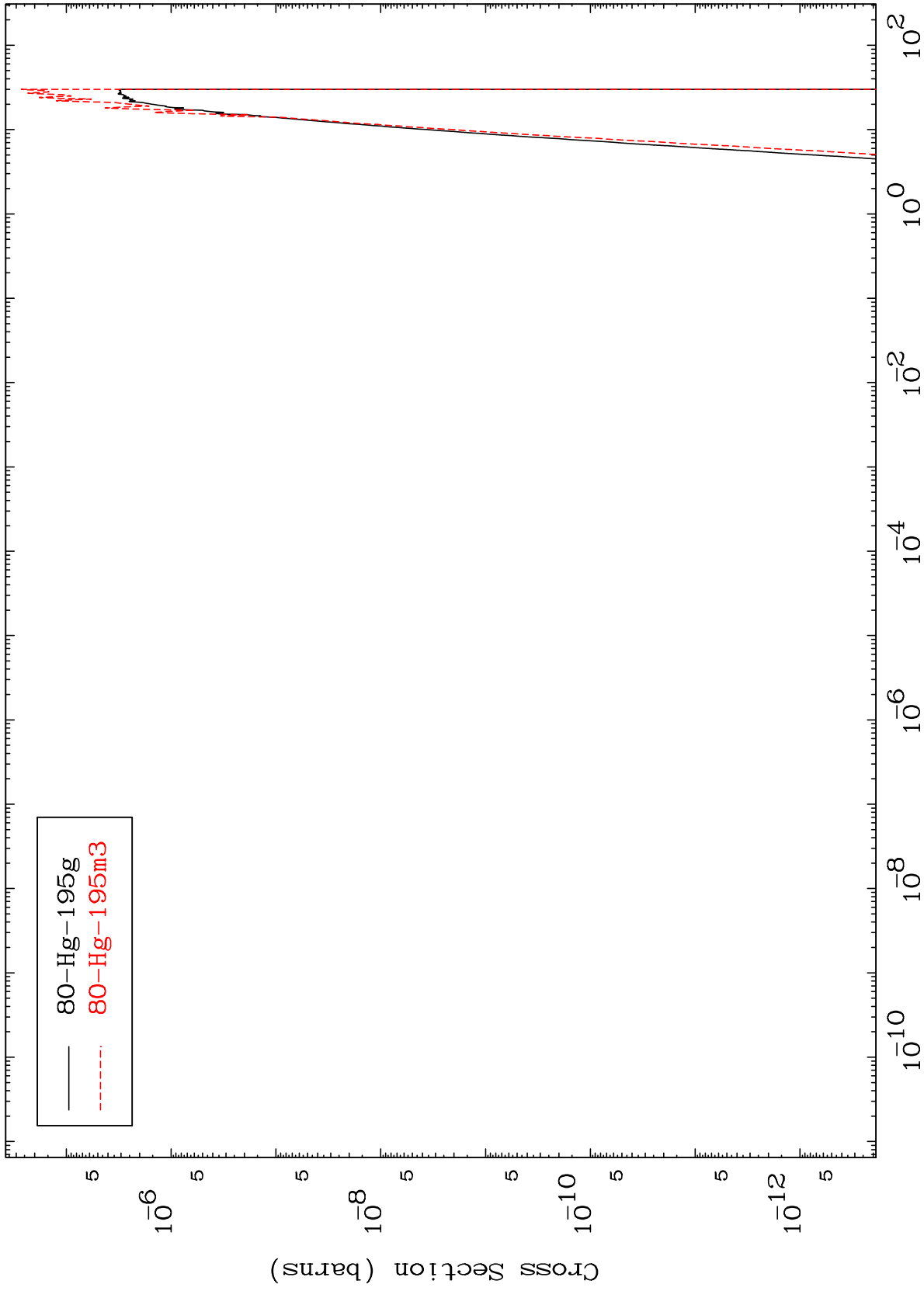
83-Bi-199

MAT 8296

(n,p)  $\alpha$

83-Bi-199

Radionuclide Production Cross Section



39

Incident Energy (MeV)

83-Bi-199

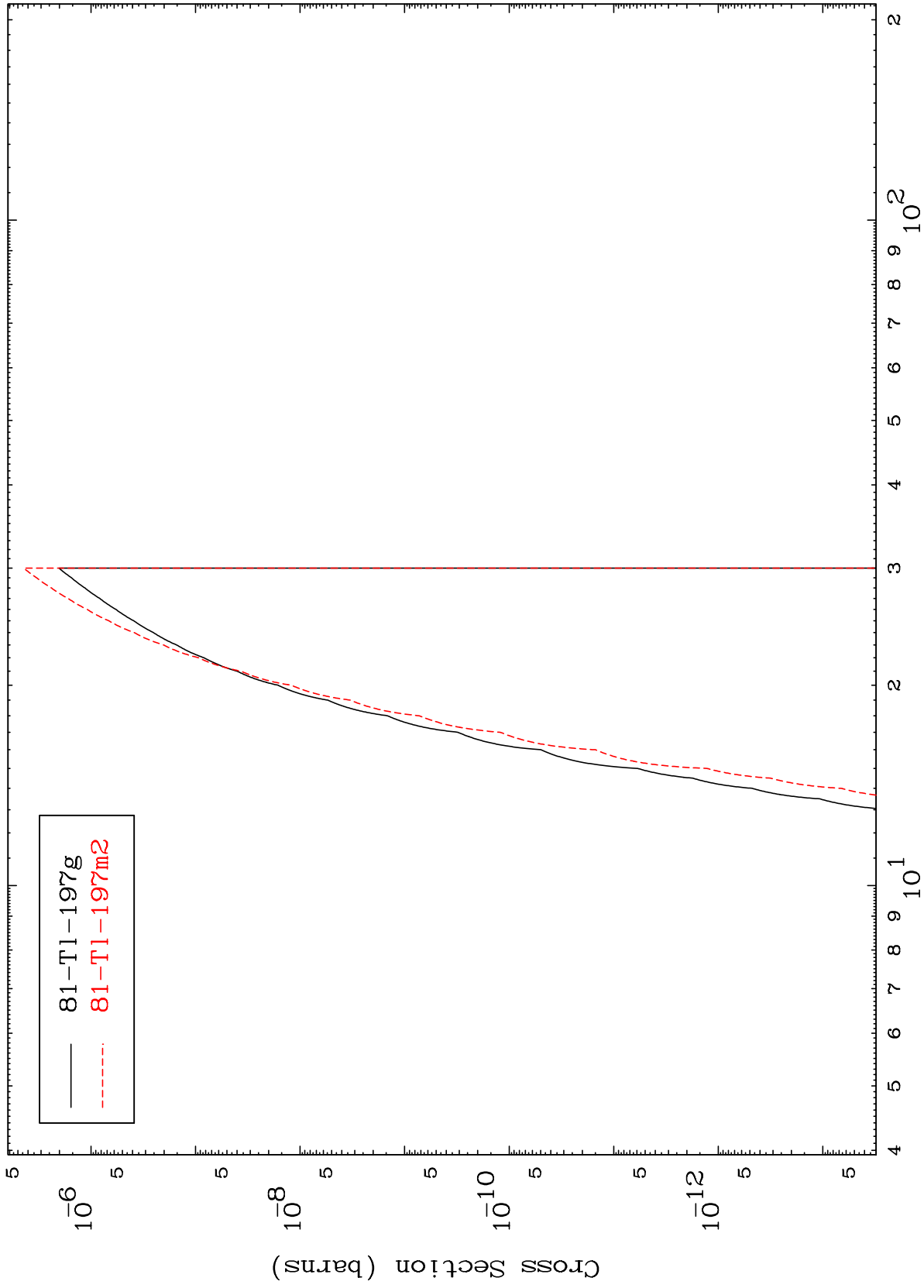


MAT 8296

(n,p) d

83-Bi-199

Radionuclide Production Cross Section



40

Incident Energy (MeV)

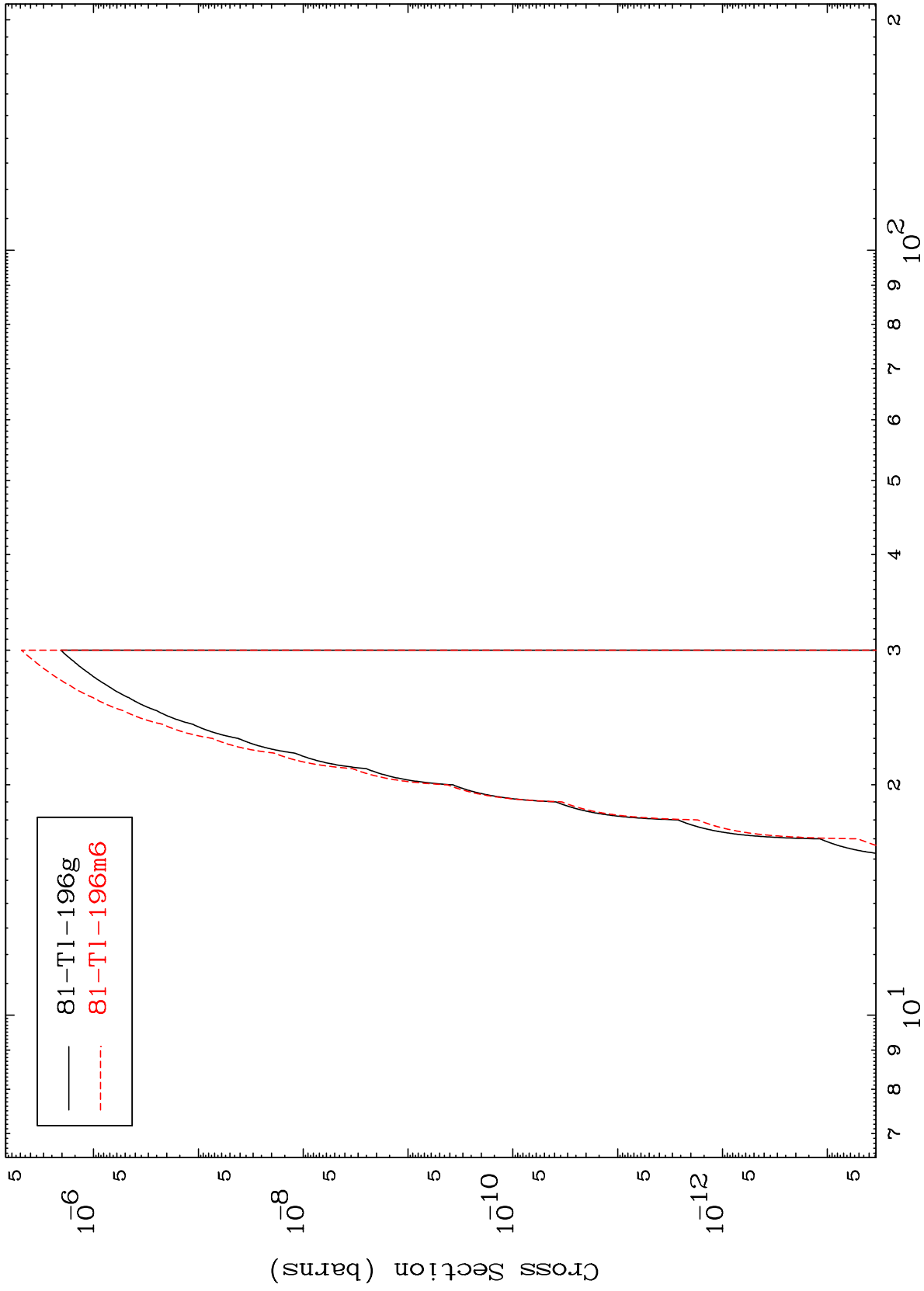
83-Bi-199

MAT 8296

(n,p) t

83-Bi-199

Radionuclide Production Cross Section



41

Incident Energy (MeV)

83-Bi-199